GI	none	Score	53
Exons	8174..8251, 8194..8253, 8290..8388, 8311..8382, 8416..8538, 8426..8539, 8632..8841, 8633..8842, 8699..8842		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o2.gp	Method	AAT/GAP
Start	8367	End	8757
GI	LIB3431-024-P1-K1-C2	Score	526
Exons	8367..8538, 8635..8757		
GI Descrip.	'4938486/emb|CAB43845.1| 1.0e-30 (AL078464) putative protein [Arabidopsis thaliana]'		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o1.tc	Method	TBLASTX:Cress
Start	8413	End	8974
GI	none	Score	92
Exons	8413..8538, 8429..8539, 8632..8961, 8633..8974		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o1.tm	Method	TBLASTX:Maize
Start	8889	End	9911
GI	none	Score	315
Exons	8889..9218, 8890..9909, 8891..9310, 9351..9911		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o2.ts	Method	TBLASTX:Soybean
Start	8892	End	9253
GI	none	Score	277
Exons	8892..9014, 8893..9186, 8906..9169, 9113..9253, 9166..9252		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o3.tc	Method	TBLASTX:Cress
Start	8983	End	9945
GI	none	Score	143
Exons	8983..9294, 9092..9295, 9295..9453, 9844..9945		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o2.tc	Method	TBLASTX:Cress
Start	10060	End	10608
GI	none	Score	107
Exons	10060..10245, 10063..10248, 10076..10261, 10216..10413, 10229..10411, 10234..10413, 10316..10417, 10471..10608, 10493..10597, 10509..10601		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17

Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o4.tm	Method	TBLASTX:Maize
Start	10313	End	10570
GI	none	Score	136
Exons	10313..10411, 10315..10413, 10315..10413, 10319..10414, 10350..10421, 10471..10569, 10487..10570, 10490..10570		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o5.tm	Method	TBLASTX:Maize
Start	11984	End	12360
GI	none	Score	147
Exons	11984..12187, 12002..12139, 12006..12188, 12015..12185, 12279..12347, 12282..12359, 12289..12360		

Seq. No.	4860	Seq. ID	OJ990422_25.9A03.C17
Gene No.	10150	Strand	-
Start	71	End	16774
Name	OJ990422_25.9A03.C17.o7.tm	Method	TBLASTX:Maize
Start	13062	End	13316
GI	none	Score	131
Exons	13062..13190, 13092..13184, 13185..13271, 13188..13316, 13189..13314		

Seq. No.	4861	Seq. ID	OJ990422_25.9A03.C18
Gene No.	10151	Strand	+
Start	125	End	436
Name	OJ990422_25.9A03.C18.o1.gs	Method	GENSCAN
Start	125	End	436
GI	none	Score	.8
Exons	125..181, 354..436		

Seq. No.	4861	Seq. ID	OJ990422_25.9A03.C18
Gene No.	10152	Strand	-
Start	3694	End	4275
Name	OJ990422_25.9A03.C18.o2.gs	Method	GENSCAN
Start	3694	End	4275
GI	none	Score	.89
Exons	3694..3741, 4045..4123, 4191..4275		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10153	Strand	-
Start	1263	End	3308
Name	OJ990422_25.9A03.C19.o1.gs	Method	GENSCAN
Start	1263	End	3308
GI	none	Score	.77
Exons	1263..1354, 2065..2168, 2926..3074, 3257..3308		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o2.gs	Method	GENSCAN
Start	4242	End	11392
GI	none	Score	.66
Exons	4242..4495, 4551..4579, 4872..4948, 5156..5625, 6198..6267,		

6388..6543, 6671..6780, 7646..9034, 9081..10545, 10757..11392

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o1.np	Method	AAT/NAP
Start	7599	End	11392
GI	6630696	Score	6521
Exons	7599..11392		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o2.tw	Method	TBLASTX:Wheat
Start	7735	End	8210
GI	none	Score	410
Exons	7735..8121, 7737..8120, 8136..8210, 8137..8205, 8150..8209		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o4.ts	Method	TBLASTX:Soybean
Start	7863	End	8204
GI	none	Score	91
Exons	7863..8072, 7942..8067, 8091..8204, 8101..8169		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o3.tm	Method	TBLASTX:Maize
Start	8066	End	8438
GI	none	Score	109
Exons	8066..8398, 8067..8438, 8068..8415		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o3.ts	Method	TBLASTX:Soybean
Start	8217	End	8565
GI	none	Score	89
Exons	8217..8408, 8218..8409, 8424..8564, 8425..8565		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o3.tw	Method	TBLASTX:Wheat
Start	8418	End	8963
GI	none	Score	73
Exons	8418..8624, 8619..8963, 8782..8946		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o2.tm	Method	TBLASTX:Maize

Start	8499	End	8964
GI	none	Score	61
Exons	8499..8963, 8602..8712, 8748..8828, 8833..8964		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o1.ts	Method	TBLASTX:Soybean
Start	8634	End	9080
GI	5509260	Score	104
Exons	8634..9080, 8842..9003		
GI Descrip.	-		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o1.tc	Method	TBLASTX:Cress
Start	8745	End	9005
GI	none	Score	111
Exons	8745..9005, 8833..9003		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o1.tw	Method	TBLASTX:Wheat
Start	9018	End	9766
GI	none	Score	60
Exons	9018..9080, 9022..9081, 9085..9759, 9087..9569, 9269..9766, 9308..9766		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o2.ts	Method	TBLASTX:Soybean
Start	9424	End	9822
GI	none	Score	111
Exons	9424..9597, 9601..9822, 9605..9820		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o5.tm	Method	TBLASTX:Maize
Start	9610	End	10074
GI	none	Score	82
Exons	9610..10074, 9617..9835		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o5.tw	Method	TBLASTX:Wheat
Start	9767	End	9967
GI	none	Score	232
Exons	9767..9967, 9767..9964, 9769..9966		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498

Name	OJ990422_25.9A03.C19.o5.ts	Method	TBLASTX:Soybean
Start	9832	End	10212
GI	none	Score	87
Exons	9832..10080, 10063..10212		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o1.tm	Method	TBLASTX:Maize
Start	10186	End	10530
GI	none	Score	373
Exons	10186..10227, 10256..10528, 10256..10528, 10257..10529, 10258..10530		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o1.gp	Method	AAT/GAP
Start	10471	End	11350
GI	101595_1.R1084	Score	1422
Exons	10471..10545, 10661..11350		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o4.tm	Method	TBLASTX:Maize
Start	11040	End	11351
GI	none	Score	179
Exons	11040..11351, 11042..11350		

Seq. No.	4862	Seq. ID	OJ990422_25.9A03.C19
Gene No.	10154	Strand	-
Start	4242	End	11498
Name	OJ990422_25.9A03.C19.o4.tw	Method	TBLASTX:Wheat
Start	11101	End	11498
GI	none	Score	160
Exons	11101..11283, 11102..11386, 11115..11348, 11363..11497, 11400..11498		

Seq. No.	4863	Seq. ID	OJ990422_25.9A03.C20
Gene No.	10155	Strand	-
Start	543	End	3758
Name	OJ990422_25.9A03.C20.o1.np	Method	AAT/NAP
Start	543	End	3758
GI	5734762	Score	1508
Exons	543..1000, 1074..3758		
GI Descrip.	(AC007651) Similar to leucine-rich receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	4863	Seq. ID	OJ990422_25.9A03.C20
Gene No.	10155	Strand	-
Start	543	End	3758
Name	OJ990422_25.9A03.C20.o1.tm	Method	TBLASTX:Maize
Start	720	End	1411
GI	none	Score	83

Exons	720..1001, 907..1002, 1075..1293, 1076..1270, 1294..1410, 1295..1411		
Seq. No.	4863	Seq. ID	OJ990422_25.9A03.C20
Gene No.	10155	Strand	-
Start	543	End	3758
Name	OJ990422_25.9A03.C20.o1.tc	Method	TBLASTX:Cress
Start	927	End	3756
GI	none	Score	66
Exons	927..1001, 1108..1467, 1133..1249, 1492..1620, 1822..1971, 1900..2085, 1903..2085, 1903..2085, 1903..2085, 1912..2091, 1992..2066, 2044..2232, 2066..2515, 2068..2826, 2071..2316, 2086..2604, 2102..2587, 2104..2313, 2108..2362, 2120..2422, 2125..2880, 2132..2278, 2174..2242, 2182..2748, 2192..2500, 2197..2964, 2245..2457, 2263..3024, 2267..2317, 2320..2892, 2338..2370, 2339..2566, 2347..3096, 2410..2961, 2413..3168, 2485..3240, 2485..3036, 2557..3312, 2626..3168, 2627..2773, 2627..2926, 2627..2734, 2629..3387, 2701..3429, 2708..3025, 2746..3012, 2758..3324, 2773..3537, 2792..3214, 2816..3154, 2821..3033, 2845..3612, 2896..3429, 2906..3217, 2911..3273, 2917..3672, 2951..3586, 2986..3537, 2987..3214, 2989..3744, 3001..3753, 3073..3756, 3110..3373, 3125..3430, 3172..3672, 3254..3508, 3257..3358, 3265..3600, 3266..3505, 3418..3753, 3478..3753, 3481..3753, 3481..3753, 3532..3753, 3601..3753		
Seq. No.	4863	Seq. ID	OJ990422_25.9A03.C20
Gene No.	10155	Strand	-
Start	543	End	3758
Name	OJ990422_25.9A03.C20.o1.ts	Method	TBLASTX:Soybean
Start	948	End	3678
GI	none	Score	52
Exons	948..1001, 949..1002, 1054..1473, 1076..1471, 1336..1473, 1492..1656, 1495..1647, 1499..1669, 1816..1974, 1984..2085, 2053..2220, 2101..2289, 2185..2265, 2203..2361, 2254..2436, 2347..2505, 2635..2793, 2989..3171, 3047..3172, 3116..3310, 3253..3429, 3538..3678		
Seq. No.	4863	Seq. ID	OJ990422_25.9A03.C20
Gene No.	10155	Strand	-
Start	543	End	3758
Name	OJ990422_25.9A03.C20.o1.tw	Method	TBLASTX:Wheat
Start	1141	End	1470
GI	none	Score	231
Exons	1141..1470		
Seq. No.	4863	Seq. ID	OJ990422_25.9A03.C20
Gene No.	10155	Strand	-
Start	543	End	3758
Name	OJ990422_25.9A03.C20.o2.tm	Method	TBLASTX:Maize
Start	1900	End	3753
GI	none	Score	62
Exons	1900..2013, 1903..2085, 1903..2085, 1904..2083, 1906..2070, 1921..2082, 2044..2232, 2071..2520, 2086..2319, 2095..2736, 2095..2610, 2096..2278, 2108..2287, 2140..2808, 2183..2350, 2215..2880, 2252..2350, 2267..2371, 2287..2964, 2356..3024, 2431..3096, 2503..3168, 2575..3240, 2647..3312, 2719..3387, 2789..2926, 2791..3429, 2825..3217, 2843..3154, 2863..3537,		

2935..3612, 2945..3214, 2978..3223, 3007..3672, 3079..3744, 3151..3753, 3170..3502, 3263..3439, 3286..3453, 3532..3597, 3580..3741

Seq. No.	4863	Seq. ID	OJ990422_25.9A03.C20
Gene No.	10155	Strand	-
Start	543	End	3758
Name	OJ990422_25.9A03.C20.o2.tw	Method	TBLASTX:Wheat
Start	2086	End	3744
GI	none	Score	77
Exons	2086..2385, 2143..2448, 2180..2305, 2209..2532, 2281..2613, 2569..2880, 2647..2982, 2713..3039, 2752..2925, 2785..3096, 2792..2926, 2834..3001, 2857..3168, 2929..3255, 3001..3312, 3073..3378, 3101..3364, 3145..3429, 3289..3612, 3356..3511, 3361..3672, 3410..3514, 3481..3744		

Seq. No.	4864	Seq. ID	OJ990422_25.9A03.C21
Gene No.	10156	Strand	+
Start	127	End	1348
Name	OJ990422_25.9A03.C21.o1.gs	Method	GENSCAN
Start	127	End	1348
GI	none	Score	.46
Exons	127..187, 1290..1348		

Seq. No.	4865	Seq. ID	OJ990422_25.9A03.C22
Gene No.	10157	Strand	+
Start	422	End	2351
Name	OJ990422_25.9A03.C22.o1.np	Method	AAT/NAP
Start	422	End	2351
GI	4559347	Score	863
Exons	422..1096, 1181..1402, 1475..2047, 2114..2351		
GI Descrip.	(AC006585) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4865	Seq. ID	OJ990422_25.9A03.C22
Gene No.	10157	Strand	+
Start	422	End	2351
Name	OJ990422_25.9A03.C22.o1.gs	Method	GENSCAN
Start	471	End	2311
GI	none	Score	.6
Exons	471..1096, 1169..1402, 1475..1901, 2114..2311		

Seq. No.	4865	Seq. ID	OJ990422_25.9A03.C22
Gene No.	10157	Strand	+
Start	422	End	2351
Name	OJ990422_25.9A03.C22.o1.tw	Method	TBLASTX:Wheat
Start	776	End	958
GI	none	Score	159
Exons	776..955, 778..957, 779..958, 781..957		

Seq. No.	4865	Seq. ID	OJ990422_25.9A03.C22
Gene No.	10157	Strand	+
Start	422	End	2351
Name	OJ990422_25.9A03.C22.o1.tm	Method	TBLASTX:Maize
Start	1589	End	1911
GI	none	Score	324
Exons	1589..1897, 1590..1904, 1813..1911		

Seq. No.	4866	Seq. ID	OJ990422_25.9A03.C23
Gene No.	10158	Strand	-
Start	722	End	838
Name	OJ990422_25.9A03.C23.o1.np	Method	AAT/NAP
Start	722	End	838
GI	6856192	Score	85
Exons	722..838		
GI Descrip.	(AF180016) photosystem I P700 apoprotein A1 [Drimys winteri]		

Seq. No.	4867	Seq. ID	OJ990422_25.9A03.C24
Gene No.	10159	Strand	+
Start	1	End	2934
Name	OJ990422_25.9A03.C24.o1.np	Method	AAT/NAP
Start	1	End	2403
GI	5174401	Score	41
Exons	1..26, 246..318, 396..511, 2382..2403		
GI Descrip.	chromosome 17 open reading frame 1 gi|3873561|emb|CAA07870| (AJ008112) C17orf1 protein [Homo sapiens]		

Seq. No.	4867	Seq. ID	OJ990422_25.9A03.C24
Gene No.	10159	Strand	+
Start	1	End	2934
Name	OJ990422_25.9A03.C24.o1.gs	Method	GENSCAN
Start	114	End	2923
GI	none	Score	.68
Exons	114..327, 402..496, 2630..2701, 2807..2923		

Seq. No.	4867	Seq. ID	OJ990422_25.9A03.C24
Gene No.	10159	Strand	+
Start	1	End	2934
Name	OJ990422_25.9A03.C24.o1.tm	Method	TBLASTX:Maize
Start	243	End	2934
GI	none	Score	100
Exons	243..329, 254..328, 397..498, 401..535, 2621..2704, 2804..2923, 2806..2934		

Seq. No.	4867	Seq. ID	OJ990422_25.9A03.C24
Gene No.	10159	Strand	+
Start	1	End	2934
Name	OJ990422_25.9A03.C24.o1.ts	Method	TBLASTX:Soybean
Start	412	End	2932
GI	none	Score	138
Exons	412..498, 413..499, 2621..2704, 2627..2698, 2804..2932, 2812..2931		

Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10160	Strand	+
Start	92	End	738
Name	OJ990422_25.9A03.C25.o1.gs	Method	GENSCAN
Start	92	End	738
GI	none	Score	.78
Exons	92..160, 234..300, 599..738		

Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10161	Strand	-
Start	2256	End	5432
Name	OJ990422_25.9A03.C25.o1.np	Method	AAT/NAP

Start	2256	End	5432
GI	5734762	Score	939
Exons	2256..2402, 3241..3555, 3648..5432		
GI Descrip.	(AC007651) Similar to leucine-rich receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10161	Strand	-
Start	2256	End	5432
Name	OJ990422_25.9A03.C25.o2.gs	Method	GENSCAN
Start	3200	End	5376
GI	none	Score	.69
Exons	3200..3555, 3648..3994, 4043..4203, 4318..4382, 4425..4955, 4995..5376		

Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10161	Strand	-
Start	2256	End	5432
Name	OJ990422_25.9A03.C25.o1.tm	Method	TBLASTX:Maize
Start	3260	End	3985
GI	none	Score	58
Exons	3260..3568, 3408..3557, 3649..3864, 3650..3865, 3868..3984, 3914..3985		

Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10161	Strand	-
Start	2256	End	5432
Name	OJ990422_25.9A03.C25.o1.tc	Method	TBLASTX:Cress
Start	3293	End	4014
GI	none	Score	60
Exons	3293..3418, 3438..3536, 3467..3568, 3649..4014, 3650..4006, 3652..4008		

Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10161	Strand	-
Start	2256	End	5432
Name	OJ990422_25.9A03.C25.o1.ts	Method	TBLASTX:Soybean
Start	3503	End	5079
GI	none	Score	175
Exons	3503..3592, 3648..3821, 3649..4014, 3650..3907, 4045..4203, 4097..4201, 4390..4548, 4400..4528, 4546..4659, 4627..4794, 4684..4863, 4759..4839, 4777..4935, 4819..5007, 4921..5079		

Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10161	Strand	-
Start	2256	End	5432
Name	OJ990422_25.9A03.C25.o1.tw	Method	TBLASTX:Wheat
Start	3715	End	4032
GI	none	Score	232
Exons	3715..4032		

Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10161	Strand	-
Start	2256	End	5432
Name	OJ990422_25.9A03.C25.o2.tm	Method	TBLASTX:Maize
Start	4411	End	5406
GI	none	Score	113

Exons	4411..5070, 4478..4780, 4570..4929, 4756..5145, 4813..5211, 4885..5286, 4951..5361, 5116..5406, 5173..5394		
Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10161	Strand	-
Start	2256	End	5432
Name	OJ990422_25.9A03.C25.o2.tc	Method	TBLASTX:Cress
Start	4474	End	5415
GI	none	Score	66
Exons	4474..4659, 4477..4662, 4477..4611, 4478..4663, 4618..4968, 4642..5130, 4660..5337, 4687..5409, 4909..5415		
Seq. No.	4868	Seq. ID	OJ990422_25.9A03.C25
Gene No.	10161	Strand	-
Start	2256	End	5432
Name	OJ990422_25.9A03.C25.o2.tw	Method	TBLASTX:Wheat
Start	4492	End	5415
GI	none	Score	35
Exons	4492..4665, 4567..4647, 4642..4950, 4660..4881, 4706..4858, 4711..5001, 4855..5187, 5059..5223, 5143..5400, 5221..5415		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10162	Strand	+
Start	3606	End	9263
Name	OJ990422_25.9A03.C26.o2.np	Method	AAT/NAP
Start	3606	End	9263
GI	6063554	Score	344
Exons	3606..3632, 7541..7759, 8425..8453, 9090..9263		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10163	Strand	+
Start	10446	End	11000
Name	OJ990422_25.9A03.C26.o3.np	Method	AAT/NAP
Start	10101	End	11000
GI	4680179	Score	551
Exons	10101..10196, 10463..11000		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10163	Strand	+
Start	10446	End	11000
Name	OJ990422_25.9A03.C26.o4.gs	Method	GENSCAN
Start	10446	End	10982
GI	none	Score	.76
Exons	10446..10982		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10164	Strand	-
Start	17	End	3650
Name	OJ990422_25.9A03.C26.o1.gs	Method	GENSCAN
Start	17	End	3650
GI	none	Score	.62
Exons	17..89, 98..619, 778..1077, 1401..2307, 2678..2840, 3078..3201, 3489..3650		

Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10165	Strand	-
Start	4801	End	9014
Name	OJ990422_25.9A03.C26.o2.gs	Method	GENSCAN
Start	4801	End	6285
GI	none	Score	1
Exons	4801..6285		

Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10165	Strand	-
Start	4801	End	9014
Name	OJ990422_25.9A03.C26.o1.np	Method	AAT/NAP
Start	4804	End	8631
GI	6630685	Score	1685
Exons	4804..6480, 8596..8631		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10165	Strand	-
Start	4801	End	9014
Name	OJ990422_25.9A03.C26.o3.gs	Method	GENSCAN
Start	7208	End	9014
GI	none	Score	.67
Exons	7208..7641, 7662..8051, 8993..9014		

Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o2.ts	Method	TBLASTX:Soybean
Start	4792	End	5460
GI	none	Score	62
Exons	4792..5052, 4868..5038, 5071..5460, 5114..5356		

Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o1.tm	Method	TBLASTX:Maize
Start	4822	End	5496
GI	none	Score	404
Exons	4822..5496, 4832..5470		

Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o2.tc	Method	TBLASTX:Cress
Start	4822	End	5187
GI	none	Score	90
Exons	4822..5067, 5056..5187		

Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o4.tw	Method	TBLASTX:Wheat
Start	4867	End	5187
GI	none	Score	81

Exons	4867..5058, 4867..5043, 5062..5187		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o3.tw	Method	TBLASTX:Wheat
Start	5224	End	5655
GI	none	Score	91
Exons	5224..5472, 5521..5655		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o2.tm	Method	TBLASTX:Maize
Start	5730	End	6169
GI	none	Score	44
Exons	5730..5783, 5734..6168, 5791..6015, 5795..6169		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o1.ts	Method	TBLASTX:Soybean
Start	5831	End	6444
GI	5509260	Score	373
Exons	5831..6355, 5836..6372, 6073..6381, 6394..6444		
GI Descrip.	-		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o1.tw	Method	TBLASTX:Wheat
Start	5844	End	6313
GI	none	Score	131
Exons	5844..6047, 5845..6246, 5855..6016, 6047..6184, 6061..6186, 6226..6297, 6227..6313		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o1.tc	Method	TBLASTX:Cress
Start	5950	End	6211
GI	none	Score	123
Exons	5950..6210, 5951..6211		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000
Name	OJ990422_25.9A03.C26.o2.gp	Method	AAT/GAP
Start	10492	End	11000
GI	uC-osflcyp162a07a1	Score	709
Exons	10492..10771, 10871..11000		
GI Descrip.	'4680179/gb|AAD27547.1|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		
Seq. No.	4869	Seq. ID	OJ990422_25.9A03.C26
Gene No.	10166	Strand	-
Start	10492	End	11000

Name	OJ990422_25.9A03.C26.o2.tw	Method	TBLASTX:Wheat
Start	10608	End	10964
GI	none	Score	289
Exons	10608..10964, 10616..10786, 10815..10961, 10823..10963		

Seq. No.	4870	Seq. ID	OJ990422_25.9A03.C27
Gene No.	10167	Strand	+
Start	46	End	369
Name	OJ990422_25.9A03.C27.o1.gs	Method	GENSCAN
Start	46	End	369
GI	none	Score	.65
Exons	46..369		

Seq. No.	4871	Seq. ID	OJ990422_25.9A03.C28
Gene No.	10168	Strand	+
Start	1036	End	1552
Name	OJ990422_25.9A03.C28.o1.gs	Method	GENSCAN
Start	1036	End	1552
GI	none	Score	.91
Exons	1036..1093, 1209..1552		

Seq. No.	4872	Seq. ID	OJ990422_25.9A03.C29
Gene No.	10169	Strand	+
Start	593	End	2093
Name	OJ990422_25.9A03.C29.o1.np	Method	AAT/NAP
Start	593	End	2093
GI	3894393	Score	925
Exons	593..2093		
GI Descrip.	(AF053998) Hcr2-5D [Lycopersicon esculentum]		

Seq. No.	4872	Seq. ID	OJ990422_25.9A03.C29
Gene No.	10170	Strand	-
Start	558	End	2092
Name	OJ990422_25.9A03.C29.o1.gs	Method	GENSCAN
Start	558	End	1973
GI	none	Score	.61
Exons	558..625, 672..768, 1093..1216, 1957..1973		

Seq. No.	4872	Seq. ID	OJ990422_25.9A03.C29
Gene No.	10170	Strand	-
Start	558	End	2092
Name	OJ990422_25.9A03.C29.o1.tm	Method	TBLASTX:Maize
Start	890	End	2092
GI	none	Score	84
Exons	890..1048, 902..1444, 908..979, 914..1516, 923..1537, 995..1660, 1130..1804, 1228..1347, 1235..1867, 1289..1948, 1343..2020, 1427..2092, 1432..2073, 1850..2092		

Seq. No.	4872	Seq. ID	OJ990422_25.9A03.C29
Gene No.	10170	Strand	-
Start	558	End	2092
Name	OJ990422_25.9A03.C29.o1.ts	Method	TBLASTX:Soybean
Start	890	End	2092
GI	none	Score	181
Exons	890..1468, 914..1105, 938..1612, 946..1155, 1010..1708, 1094..1756, 1094..1468, 1100..1189, 1154..1600, 1289..1852, 1289..1537, 1292..1996, 1316..1435, 1418..1537, 1436..2092,		

1453..1698, 1490..1900, 1586..2044, 1643..2044, 1706..2068,
1738..1968, 1741..1986, 1748..1867, 1892..2011

Seq. No.	4872	Seq. ID	OJ990422_25.9A03.C29
Gene No.	10170	Strand	-
Start	558	End	2092
Name	OJ990422_25.9A03.C29.o1.tc	Method	TBLASTX:Cress
Start	893	End	2092
GI	none	Score	278
Exons	893..1699, 899..1042, 902..1186, 974..1165, 1118..1906, 1150..1344, 1166..1483, 1238..1987, 1286..1459, 1289..2050, 1289..1537, 1316..1537, 1337..1525, 1337..2092, 1385..1681, 1406..2092, 1453..1620, 1460..1771, 1529..1843, 1604..1915, 1748..2059, 1817..2092, 1819..1968		

Seq. No.	4872	Seq. ID	OJ990422_25.9A03.C29
Gene No.	10170	Strand	-
Start	558	End	2092
Name	OJ990422_25.9A03.C29.o1.tw	Method	TBLASTX:Wheat
Start	923	End	2092
GI	none	Score	107
Exons	923..1186, 1094..1378, 1238..1450, 1286..1516, 1289..1537, 1340..1666, 1412..1738, 1577..1882, 1643..1954, 1696..1920, 1700..2026, 1741..1968, 1787..2092, 1826..2092		

Seq. No.	4873	Seq. ID	OJ990422_25.9A03.C32
Gene No.	10171	Strand	-
Start	1	End	305
Name	OJ990422_25.9A03.C32.o1.np	Method	AAT/NAP
Start	1	End	305
GI	5295971	Score	228
Exons	1..305		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	4874	Seq. ID	OJ990422_25.9A03.C33
Gene No.	10172	Strand	-
Start	1	End	1009
Name	OJ990422_25.9A03.C33.o1.np	Method	AAT/NAP
Start	1	End	1009
GI	4416302	Score	1117
Exons	1..1009		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	4874	Seq. ID	OJ990422_25.9A03.C33
Gene No.	10172	Strand	-
Start	1	End	1009
Name	OJ990422_25.9A03.C33.o1.tm	Method	TBLASTX:Maize
Start	16	End	706
GI	none	Score	394
Exons	16..462, 17..634, 57..635, 633..680, 635..706		

Seq. No.	4874	Seq. ID	OJ990422_25.9A03.C33
Gene No.	10172	Strand	-
Start	1	End	1009
Name	OJ990422_25.9A03.C33.o1.gs	Method	GENSCAN

Start	25	End	898
GI	none	Score	.73
Exons	25..153, 376..898		

Seq. No.	4874	Seq. ID	OJ990422_25.9A03.C33
Gene No.	10172	Strand	-
Start	1	End	1009
Name	OJ990422_25.9A03.C33.o2.tw	Method	TBLASTX:Wheat
Start	53	End	283
GI	none	Score	74
Exons	53..199, 57..170, 197..283		

Seq. No.	4874	Seq. ID	OJ990422_25.9A03.C33
Gene No.	10172	Strand	-
Start	1	End	1009
Name	OJ990422_25.9A03.C33.o1.ts	Method	TBLASTX:Soybean
Start	65	End	526
GI	none	Score	57
Exons	65..526, 69..269, 336..497		

Seq. No.	4874	Seq. ID	OJ990422_25.9A03.C33
Gene No.	10172	Strand	-
Start	1	End	1009
Name	OJ990422_25.9A03.C33.o1.tc	Method	TBLASTX:Cress
Start	68	End	484
GI	none	Score	185
Exons	68..484		

Seq. No.	4874	Seq. ID	OJ990422_25.9A03.C33
Gene No.	10172	Strand	-
Start	1	End	1009
Name	OJ990422_25.9A03.C33.o1.tw	Method	TBLASTX:Wheat
Start	368	End	941
GI	none	Score	136
Exons	368..655, 377..655, 695..940, 711..941		

Seq. No.	4874	Seq. ID	OJ990422_25.9A03.C33
Gene No.	10172	Strand	-
Start	1	End	1009
Name	OJ990422_25.9A03.C33.o2.tm	Method	TBLASTX:Maize
Start	710	End	947
GI	none	Score	214
Exons	710..946, 711..941, 717..947		

Seq. No.	4875	Seq. ID	OJ990422_25.9A03.C34
Gene No.	10173	Strand	+
Start	1	End	7035
Name	OJ990422_25.9A03.C34.o1.np	Method	AAT/NAP
Start	1	End	7035
GI	5852175	Score	105
Exons	1..24, 493..543, 1111..1234, 2453..2642, 6952..7035		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	4875	Seq. ID	OJ990422_25.9A03.C34
Gene No.	10173	Strand	+
Start	1	End	7035
Name	OJ990422_25.9A03.C34.o1.ts	Method	TBLASTX:Soybean

Start	3522	End	4040
GI	none	Score	83
Exons	3522..3854, 3918..4040		

Seq. No.	4875	Seq. ID	OJ990422_25.9A03.C34
Gene No.	10173	Strand	+
Start	1	End	7035
Name	OJ990422_25.9A03.C34.o1.tw	Method	TBLASTX:Wheat
Start	3618	End	4007
GI	none	Score	39
Exons	3618..3860, 3757..3846, 3873..4007, 3918..4001		

Seq. No.	4875	Seq. ID	OJ990422_25.9A03.C34
Gene No.	10173	Strand	+
Start	1	End	7035
Name	OJ990422_25.9A03.C34.o4.np	Method	AAT/NAP
Start	4332	End	6254
GI	6721516	Score	491
Exons	4332..4573, 4980..5318, 6077..6254		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	4876	Seq. ID	OJ990422_25.9A03.C35
Gene No.	10174	Strand	+
Start	4264	End	6235
Name	OJ990422_25.9A03.C35.o2.gs	Method	GENSCAN
Start	4264	End	6235
GI	none	Score	.49
Exons	4264..4523, 4657..4835, 5565..5687, 6189..6235		

Seq. No.	4876	Seq. ID	OJ990422_25.9A03.C35
Gene No.	10175	Strand	+
Start	14276	End	15085
Name	OJ990422_25.9A03.C35.o2.np	Method	AAT/NAP
Start	14276	End	15085
GI	5739323	Score	568
Exons	14276..14789, 14868..15085		
GI Descrip.	(AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]		

Seq. No.	4876	Seq. ID	OJ990422_25.9A03.C35
Gene No.	10176	Strand	-
Start	5420	End	7556
Name	OJ990422_25.9A03.C35.o1.np	Method	AAT/NAP
Start	5420	End	7556
GI	6063554	Score	294
Exons	5420..5592, 6963..7256, 7379..7556		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10177	Strand	+
Start	1	End	1155
Name	OJ990422_25.9A03.C36.o1.np	Method	AAT/NAP
Start	1	End	1155
GI	5739323	Score	1087
Exons	1..1155		

GI Descrip. (AF166121) Cf2/Cf5 disease resistance protein homolog [Hordeum vulgare]

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10178	Strand	+
Start	8297	End	12437
Name	OJ990422_25.9A03.C36.o2.gs	Method	GENSCAN
Start	8297	End	10852
GI	none	Score	.69
Exons	8297..8396, 8799..9017, 9100..9224, 9287..9475, 9543..9601, 9689..9936, 9964..10444, 10571..10752, 10827..10852		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10178	Strand	+
Start	8297	End	12437
Name	OJ990422_25.9A03.C36.o3.np	Method	AAT/NAP
Start	8365	End	12437
GI	5803259	Score	270
Exons	8365..9023, 12391..12437		

GI Descrip. (AP000399) hypothetical protein [Oryza sativa]

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10178	Strand	+
Start	8297	End	12437
Name	OJ990422_25.9A03.C36.o4.np	Method	AAT/NAP
Start	9225	End	10445
GI	6721561	Score	466
Exons	9225..9552, 9693..10445		

GI Descrip. (AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10179	Strand	+
Start	16722	End	16922
Name	OJ990422_25.9A03.C36.o7.np	Method	AAT/NAP
Start	16722	End	16922
GI	4680186	Score	301
Exons	16722..16922		

GI Descrip. (AF111709) unknown [Oryza sativa subsp. indica]

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10180	Strand	-
Start	1761	End	6093
Name	OJ990422_25.9A03.C36.o1.gs	Method	GENSCAN
Start	1761	End	6093
GI	none	Score	.66
Exons	1761..2063, 2065..2571, 2608..2761, 2870..3294, 3339..3541, 3580..3703, 3761..3991, 4073..4458, 4547..5032, 5050..5449, 5491..6093		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10180	Strand	-
Start	1761	End	6093
Name	OJ990422_25.9A03.C36.o2.np	Method	AAT/NAP

Start	1761	End	5925
GI	5295971	Score	2999
Exons	1761..5925		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10181	Strand	-
Start	11955	End	15032
Name	OJ990422_25.9A03.C36.o3.gs	Method	GENSCAN
Start	11955	End	12332
GI	none	Score	.55
Exons	11955..12332		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10181	Strand	-
Start	11955	End	15032
Name	OJ990422_25.9A03.C36.o5.np	Method	AAT/NAP
Start	11958	End	15032
GI	5902445	Score	2786
Exons	11958..13198, 13238..15032		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10182	Strand	-
Start	15099	End	15733
Name	OJ990422_25.9A03.C36.o6.np	Method	AAT/NAP
Start	15099	End	15733
GI	5902444	Score	462
Exons	15099..15733		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o4.tc	Method	TBLASTX:Cress
Start	1	End	866
GI	none	Score	83
Exons	1..123, 1..123, 4..123, 4..126, 4..123, 4..120, 22..123, 181..438, 181..468, 181..423, 181..408, 181..354, 181..429, 181..438, 181..417, 523..744, 531..785, 541..744, 544..744, 544..744, 552..851, 562..744, 583..831, 588..866, 661..744, 667..744		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o9.tm	Method	TBLASTX:Maize
Start	4	End	920
GI	none	Score	79
Exons	4..123, 19..126, 85..123, 181..411, 298..408, 535..744, 555..857, 570..839, 632..844, 703..819, 808..861, 879..920		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855

Name	OJ990422_25.9A03.C36.o1.tc	Method	TBLASTX:Cress
Start	1749	End	2472
GI	none	Score	110
Exons	1749..2012, 1798..2013, 2109..2183, 2110..2208, 2179..2259, 2260..2472, 2321..2440		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o5.tm	Method	TBLASTX:Maize
Start	1797	End	2183
GI	none	Score	198
Exons	1797..2159, 1813..2154, 1860..2183, 1907..2182		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o9.tw	Method	TBLASTX:Wheat
Start	2194	End	2631
GI	none	Score	57
Exons	2194..2247, 2230..2454, 2381..2455, 2482..2631		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o3.ts	Method	TBLASTX:Soybean
Start	2275	End	2655
GI	none	Score	37
Exons	2275..2655, 2308..2364, 2351..2527		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o1.tm	Method	TBLASTX:Maize
Start	2323	End	2746
GI	none	Score	124
Exons	2323..2745, 2327..2566, 2406..2687, 2600..2746		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o4.tm	Method	TBLASTX:Maize
Start	2800	End	3145
GI	none	Score	128
Exons	2800..3144, 2834..2989, 2836..3081, 3014..3145		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o1.ts	Method	TBLASTX:Soybean
Start	2812	End	3327
GI	5509260	Score	125
Exons	2812..3327, 2834..2992, 3053..3295		
GI Descrip.	-		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-

Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o5.tw	Method	TBLASTX:Wheat
Start	2821	End	3168
GI	none	Score	116
Exons	2821..3168, 2822..2995, 3023..3160		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o3.tc	Method	TBLASTX:Cress
Start	2926	End	3201
GI	none	Score	105
Exons	2926..3201, 2945..3175		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o2.ts	Method	TBLASTX:Soybean
Start	3686	End	4162
GI	none	Score	110
Exons	3686..4162, 3867..4157		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o2.tc	Method	TBLASTX:Cress
Start	3704	End	4171
GI	none	Score	214
Exons	3704..4171		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o3.tm	Method	TBLASTX:Maize
Start	3764	End	12622
GI	none	Score	179
Exons	3764..3835, 3848..4189, 3858..4175, 12482..12622		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o3.tw	Method	TBLASTX:Wheat
Start	3836	End	4393
GI	none	Score	56
Exons	3836..3925, 3935..4393, 4095..4175		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o7.tm	Method	TBLASTX:Maize
Start	4531	End	4902
GI	none	Score	82
Exons	4531..4665, 4704..4835, 4705..4824, 4830..4901, 4831..4902		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855

Name	OJ990422_25.9A03.C36.o11.tw	Method	TBLASTX:Wheat
Start	4553	End	4839
GI	none	Score	41
Exons	4553..4600, 4555..4659, 4669..4839, 4674..4838		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o4.tw	Method	TBLASTX:Wheat
Start	11967	End	12574
GI	none	Score	66
Exons	11967..12095, 11968..12093, 12123..12359, 12354..12560, 12359..12574		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o6.tw	Method	TBLASTX:Wheat
Start	12585	End	12950
GI	none	Score	200
Exons	12585..12950, 12587..12949		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o6.tm	Method	TBLASTX:Maize
Start	12776	End	13043
GI	none	Score	136
Exons	12776..13039, 12777..13043		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o10.tw	Method	TBLASTX:Wheat
Start	13283	End	13577
GI	none	Score	107
Exons	13283..13576, 13287..13577		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o4.ts	Method	TBLASTX:Soybean
Start	13481	End	13864
GI	none	Score	84
Exons	13481..13732, 13739..13864		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o7.tw	Method	TBLASTX:Wheat
Start	13580	End	13987
GI	none	Score	64
Exons	13580..13750, 13580..13753, 13761..13922, 13763..13987		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855

Name	OJ990422_25.9A03.C36.o8.tm	Method	TBLASTX:Maize
Start	14196	End	14527
GI	none	Score	71
Exons	14196..14288, 14264..14527, 14265..14405		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o8.tw	Method	TBLASTX:Wheat
Start	14196	End	14518
GI	none	Score	44
Exons	14196..14255, 14206..14256, 14258..14518, 14259..14405		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o2.tm	Method	TBLASTX:Maize
Start	14602	End	14958
GI	none	Score	227
Exons	14602..14958, 14612..14923		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o1.tw	Method	TBLASTX:Wheat
Start	14632	End	15086
GI	none	Score	292
Exons	14632..15027, 14633..15028, 14635..15030, 14772..15029, 15018..15086, 15019..15084		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o2.tw	Method	TBLASTX:Wheat
Start	15279	End	15707
GI	none	Score	169
Exons	15279..15512, 15289..15513, 15534..15707		

Seq. No.	4877	Seq. ID	OJ990422_25.9A03.C36
Gene No.	10183	Strand	-
Start	16472	End	16855
Name	OJ990422_25.9A03.C36.o1.gp	Method	AAT/GAP
Start	16472	End	16855
GI	uC-osf1cyp033a04b1	Score	669
Exons	16472..16855		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4878	Seq. ID	OJ990422_25.9A03.C37
Gene No.	10184	Strand	-
Start	409	End	561
Name	OJ990422_25.9A03.C37.o1.gs	Method	GENSCAN
Start	409	End	561
GI	none	Score	.86
Exons	409..561		

Seq. No.	4879	Seq. ID	OJ990422_25.9A03.C38

Gene No.	10185	Strand	-
Start	1	End	205
Name	OJ990422_25.9A03.C38.o1.np	Method	AAT/NAP
Start	1	End	205
GI	4868437	Score	123
Exons	1..205		
GI Descrip.	(AF144054) apoptosis related protein APR-4 [Homo sapiens]		

Seq. No.	4880	Seq. ID	OJ990502_26.9A19.C1
Gene No.	10186	Strand	+
Start	920	End	2520
Name	OJ990502_26.9A19.C1.o1.gs	Method	GENSCAN
Start	920	End	2461
GI	none	Score	.71
Exons	920..1513, 1638..1673, 2063..2461		

Seq. No.	4880	Seq. ID	OJ990502_26.9A19.C1
Gene No.	10186	Strand	+
Start	920	End	2520
Name	OJ990502_26.9A19.C1.o1.np	Method	AAT/NAP
Start	986	End	1804
GI	5042448	Score	1167
Exons	986..1804		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	4880	Seq. ID	OJ990502_26.9A19.C1
Gene No.	10186	Strand	+
Start	920	End	2520
Name	OJ990502_26.9A19.C1.o2.np	Method	AAT/NAP
Start	2063	End	2520
GI	4680179	Score	792
Exons	2063..2520		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4880	Seq. ID	OJ990502_26.9A19.C1
Gene No.	10186	Strand	+
Start	920	End	2520
Name	OJ990502_26.9A19.C1.o1.tw	Method	TBLASTX:Wheat
Start	2336	End	2515
GI	none	Score	190
Exons	2336..2515, 2347..2511		

Seq. No.	4881	Seq. ID	OJ990502_26.9A19.C2
Gene No.	10187	Strand	-
Start	5922	End	21314
Name	OJ990502_26.9A19.C2.o1.np	Method	AAT/NAP
Start	5655	End	21314
GI	4680183	Score	160
Exons	5655..5746, 6352..6439, 21284..21314		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4881	Seq. ID	OJ990502_26.9A19.C2
Gene No.	10187	Strand	-
Start	5922	End	21314
Name	OJ990502_26.9A19.C2.o2.gs	Method	GENSCAN
Start	5922	End	9919

GI	none	Score	.72
Exons	5922..6010, 6663..6774, 8736..8833, 9676..9802, 9863..9919		

Seq. No.	4881	Seq. ID	OJ990502_26.9A19.C2
Gene No.	10187	Strand	-
Start	5922	End	21314
Name	OJ990502_26.9A19.C2.o2.np	Method	AAT/NAP
Start	7536	End	16016
GI	6815052	Score	1079
Exons	7536..7633, 8564..8654, 8736..8942, 9209..9802, 10641..10733, 12372..12471, 12774..12899, 15704..15773, 15854..16016		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	4881	Seq. ID	OJ990502_26.9A19.C2
Gene No.	10187	Strand	-
Start	5922	End	21314
Name	OJ990502_26.9A19.C2.o3.np	Method	AAT/NAP
Start	18811	End	19561
GI	5852181	Score	99
Exons	18811..19090, 19422..19561		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10188	Strand	+
Start	2682	End	9299
Name	OJ990502_26.9A19.C3.o2.np	Method	AAT/NAP
Start	2682	End	9299
GI	5852180	Score	642
Exons	2682..2726, 6253..6323, 7310..7427, 7479..7891, 9282..9299		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10189	Strand	-
Start	1	End	6555
Name	OJ990502_26.9A19.C3.o1.np	Method	AAT/NAP
Start	1	End	4228
GI	4680179	Score	4990
Exons	1..3112, 3146..4228		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10189	Strand	-
Start	1	End	6555
Name	OJ990502_26.9A19.C3.o1.gs	Method	GENSCAN
Start	81	End	6450
GI	none	Score	.95
Exons	81..4228, 4450..4478, 4517..5282, 6385..6450		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10189	Strand	-
Start	1	End	6555
Name	OJ990502_26.9A19.C3.o1.gp	Method	AAT/GAP
Start	6172	End	6555
GI	uC-osf1cyp033a04b1	Score	681
Exons	6172..6555		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10190	Strand	-
Start	7298	End	8009
Name	OJ990502_26.9A19.C3.o2.gs	Method	GENSCAN
Start	7298	End	8009
GI	none	Score	.92
Exons	7298..7471, 7635..8009		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o1.tm	Method	TBLASTX:Maize
Start	2	End	9298
GI	none	Score	83
Exons	2..214, 2..376, 12..377, 279..377, 372..527, 374..535, 381..527, 383..529, 8860..9297, 8876..9298		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o6.tw	Method	TBLASTX:Wheat
Start	8	End	9013
GI	none	Score	57
Exons	8..88, 18..89, 8680..9012, 8701..9009, 8744..9013		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o1.tw	Method	TBLASTX:Wheat
Start	89	End	9298
GI	none	Score	58
Exons	89..715, 92..214, 201..659, 9013..9297, 9016..9138, 9125..9298		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o4.tm	Method	TBLASTX:Maize
Start	584	End	876
GI	none	Score	202
Exons	584..874, 588..875, 715..876		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o2.ts	Method	TBLASTX:Soybean
Start	674	End	934
GI	none	Score	153
Exons	674..934, 675..929		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o1.tc	Method	TBLASTX:Cress
Start	698	End	1015
GI	none	Score	85
Exons	698..841, 699..839, 842..1015		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o2.tw	Method	TBLASTX:Wheat
Start	722	End	1289
GI	none	Score	335
Exons	722..1258, 723..1289		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o2.tm	Method	TBLASTX:Maize
Start	1280	End	1643
GI	none	Score	169
Exons	1280..1642, 1289..1642, 1293..1643		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o3.tw	Method	TBLASTX:Wheat
Start	1292	End	1714
GI	none	Score	355
Exons	1292..1714, 1293..1682		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o3.ts	Method	TBLASTX:Soybean
Start	1463	End	1708
GI	none	Score	66
Exons	1463..1708, 1563..1691		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o3.tm	Method	TBLASTX:Maize
Start	1679	End	2179
GI	none	Score	50
Exons	1679..1993, 1722..1772, 1800..1928, 2000..2179, 2025..2171		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o5.tw	Method	TBLASTX:Wheat
Start	1715	End	2017
GI	none	Score	314
Exons	1715..2017, 1731..2015		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o1.ts	Method	TBLASTX:Soybean
Start	1730	End	2125
GI	none	Score	226
Exons	1730..2089, 1731..2021, 2049..2087, 2093..2125, 2094..2123		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o4.tw	Method	TBLASTX:Wheat
Start	2066	End	2552
GI	none	Score	261
Exons	2066..2443, 2109..2552, 2498..2548		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o2.tc	Method	TBLASTX:Cress
Start	2102	End	2419
GI	none	Score	181
Exons	2102..2419		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o5.tm	Method	TBLASTX:Maize
Start	2247	End	2537
GI	none	Score	177
Exons	2247..2537, 2249..2536		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o8.tw	Method	TBLASTX:Wheat
Start	2663	End	3085
GI	none	Score	69
Exons	2663..2830, 2718..2831, 2876..3085, 2877..3029		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o7.tm	Method	TBLASTX:Maize
Start	2768	End	3121
GI	none	Score	189
Exons	2768..3121		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o7.tw	Method	TBLASTX:Wheat
Start	3404	End	3755
GI	none	Score	112
Exons	3404..3754, 3561..3755		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o6.tm	Method	TBLASTX:Maize
Start	3449	End	3754
GI	none	Score	90
Exons	3449..3754, 3624..3740		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3

Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o9.tw	Method	TBLASTX:Wheat
Start	3789	End	4048
GI	none	Score	121
Exons	3789..3986, 3791..3988, 4001..4048		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o3.gs	Method	GENSCAN
Start	8632	End	9285
GI	none	Score	1
Exons	8632..9285		

Seq. No.	4882	Seq. ID	OJ990502_26.9A19.C3
Gene No.	10191	Strand	-
Start	8632	End	9299
Name	OJ990502_26.9A19.C3.o3.np	Method	AAT/NAP
Start	8635	End	9299
GI	4680179	Score	932
Exons	8635..9299		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4883	Seq. ID	OJ990502_26.9A19.C5
Gene No.	10192	Strand	+
Start	1	End	1436
Name	OJ990502_26.9A19.C5.o1.np	Method	AAT/NAP
Start	1	End	1436
GI	4539658	Score	232
Exons	1..105, 147..311, 1408..1436		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	4883	Seq. ID	OJ990502_26.9A19.C5
Gene No.	10192	Strand	+
Start	1	End	1436
Name	OJ990502_26.9A19.C5.o3.np	Method	AAT/NAP
Start	1	End	1436
GI	4680179	Score	1009
Exons	1..31, 698..1436		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4883	Seq. ID	OJ990502_26.9A19.C5
Gene No.	10192	Strand	+
Start	1	End	1436
Name	OJ990502_26.9A19.C5.o2.tm	Method	TBLASTX:Maize
Start	2	End	827
GI	none	Score	67
Exons	2..124, 4..108, 8..121, 368..487, 368..496, 381..497, 469..594, 482..595, 485..610, 695..811, 702..827, 711..812		

Seq. No.	4883	Seq. ID	OJ990502_26.9A19.C5
Gene No.	10192	Strand	+
Start	1	End	1436
Name	OJ990502_26.9A19.C5.o1.gs	Method	GENSCAN
Start	193	End	1406

GI	none	Score	.75
Exons	193..330, 356..506, 607..723, 824..1406		

Seq. No.	4883	Seq. ID	OJ990502_26.9A19.C5
Gene No.	10192	Strand	+
Start	1	End	1436
Name	OJ990502_26.9A19.C5.o2.tw	Method	TBLASTX:Wheat
Start	614	End	1104
GI	none	Score	71
Exons	614..694, 627..692, 629..700, 630..707, 831..929, 846..926, 847..930, 934..1104, 942..1097		

Seq. No.	4883	Seq. ID	OJ990502_26.9A19.C5
Gene No.	10192	Strand	+
Start	1	End	1436
Name	OJ990502_26.9A19.C5.o1.tm	Method	TBLASTX:Maize
Start	943	End	1434
GI	none	Score	161
Exons	943..1122, 1108..1434, 1135..1404		

Seq. No.	4883	Seq. ID	OJ990502_26.9A19.C5
Gene No.	10192	Strand	+
Start	1	End	1436
Name	OJ990502_26.9A19.C5.o1.ts	Method	TBLASTX:Soybean
Start	997	End	1392
GI	none	Score	57
Exons	997..1029, 997..1041, 1029..1076, 1033..1392, 1033..1176, 1128..1391		

Seq. No.	4883	Seq. ID	OJ990502_26.9A19.C5
Gene No.	10192	Strand	+
Start	1	End	1436
Name	OJ990502_26.9A19.C5.o1.tw	Method	TBLASTX:Wheat
Start	1105	End	1434
GI	none	Score	438
Exons	1105..1434, 1125..1430		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10193	Strand	+
Start	1	End	2504
Name	OJ990502_26.9A19.C6.o1.np	Method	AAT/NAP
Start	1	End	2504
GI	6630696	Score	2212
Exons	1..316, 589..2504		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10194	Strand	+
Start	3651	End	4704
Name	OJ990502_26.9A19.C6.o1.gs	Method	GENSCAN
Start	3651	End	4704
GI	none	Score	.92
Exons	3651..3793, 4350..4704		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6

Gene No.	10195	Strand	+
Start	16156	End	21280
Name	OJ990502_26.9A19.C6.o3.np	Method	AAT/NAP
Start	16156	End	21280
GI	4680186	Score	373
Exons	16156..16259, 20092..20241, 21080..21280		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10196	Strand	+
Start	22754	End	23465
Name	OJ990502_26.9A19.C6.o4.gs	Method	GENSCAN
Start	22754	End	23215
GI	none	Score	.99
Exons	22754..23215		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10196	Strand	+
Start	22754	End	23465
Name	OJ990502_26.9A19.C6.o4.np	Method	AAT/NAP
Start	22925	End	23465
GI	5042454	Score	268
Exons	22925..23465		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10197	Strand	+
Start	26377	End	29175
Name	OJ990502_26.9A19.C6.o3.gp	Method	AAT/GAP
Start	26365	End	26893
GI	39344_1.R1084	Score	1054
Exons	26365..26893		
GI Descrip.	'5921647/gb|AAD56282.1|AF155332_1 3.0e-37 (AF155332) flavonoid 3''-hydroxylase [Petunia x hybrida]'		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10197	Strand	+
Start	26377	End	29175
Name	OJ990502_26.9A19.C6.o5.gs	Method	GENSCAN
Start	26377	End	29175
GI	none	Score	.54
Exons	26377..27339, 27833..27953, 29057..29175		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10197	Strand	+
Start	26377	End	29175
Name	OJ990502_26.9A19.C6.o5.np	Method	AAT/NAP
Start	26392	End	29010
GI	5921647	Score	671
Exons	26392..27339, 28961..29010		
GI Descrip.	(AF155332) flavonoid 3'-hydroxylase [Petunia x hybrida]		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10198	Strand	-
Start	5826	End	9026
Name	OJ990502_26.9A19.C6.o2.gs	Method	GENSCAN
Start	5826	End	9026

GI	none	Score	.91
Exons	5826..6061, 6615..6744, 8964..9026		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10199	Strand	-
Start	15650	End	20206
Name	OJ990502_26.9A19.C6.o2.np	Method	AAT/NAP
Start	15650	End	20206
GI	4680179	Score	7719
Exons	15650..20206		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10200	Strand	-
Start	20832	End	21213
Name	OJ990502_26.9A19.C6.o1.gp	Method	AAT/GAP
Start	20832	End	21213
GI	uC-osflcyp033a04b1	Score	695
Exons	20832..21213		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o5.tw	Method	TBLASTX:Wheat
Start	678	End	1234
GI	none	Score	306
Exons	678..929, 679..930, 911..1042, 931..1038, 992..1042, 1004..1234, 1015..1230, 1142..1234		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o4.ts	Method	TBLASTX:Soybean
Start	1154	End	1603
GI	5509260	Score	56
Exons	1154..1231, 1261..1410, 1289..1603		
GI Descrip.	-		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o9.tm	Method	TBLASTX:Maize
Start	1288	End	1754
GI	none	Score	187
Exons	1288..1467, 1289..1588, 1540..1599, 1701..1754, 1705..1722		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o10.tw	Method	TBLASTX:Wheat
Start	1289	End	1811
GI	none	Score	187
Exons	1289..1618, 1701..1811		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6

Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o7.tm	Method	TBLASTX:Maize
Start	1812	End	2145
GI	none	Score	230
Exons	1812..2144, 1843..2145		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o11.tw	Method	TBLASTX:Wheat
Start	2041	End	2371
GI	none	Score	105
Exons	2041..2115, 2046..2114, 2121..2369, 2142..2366, 2144..2371, 2240..2371		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o10.tm	Method	TBLASTX:Maize
Start	15686	End	15865
GI	none	Score	187
Exons	15686..15865		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o7.tw	Method	TBLASTX:Wheat
Start	15695	End	16028
GI	none	Score	64
Exons	15695..16027, 15716..15856, 15819..15935, 15920..16000, 15957..16028		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o1.tm	Method	TBLASTX:Maize
Start	15875	End	16474
GI	none	Score	258
Exons	15875..16315, 15888..16313, 16313..16474, 16320..16466		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o1.tw	Method	TBLASTX:Wheat
Start	16028	End	16654
GI	none	Score	360
Exons	16028..16654, 16029..16652		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o5.tm	Method	TBLASTX:Maize
Start	16523	End	16814
GI	none	Score	233
Exons	16523..16813, 16527..16814		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o2.ts	Method	TBLASTX:Soybean
Start	16613	End	16873
GI	none	Score	153
Exons	16613..16873, 16614..16868		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o2.tc	Method	TBLASTX:Cress
Start	16637	End	16954
GI	none	Score	83
Exons	16637..16780, 16638..16778, 16781..16954		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o3.tw	Method	TBLASTX:Wheat
Start	16661	End	17141
GI	none	Score	240
Exons	16661..17140, 16662..16916, 16694..17125, 16968..17141		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o2.tw	Method	TBLASTX:Wheat
Start	17144	End	17654
GI	none	Score	235
Exons	17144..17653, 17228..17575, 17229..17654, 17310..17621		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o3.tm	Method	TBLASTX:Maize
Start	17216	End	17581
GI	none	Score	159
Exons	17216..17527, 17228..17581, 17313..17579		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o5.ts	Method	TBLASTX:Soybean
Start	17402	End	17647
GI	none	Score	194
Exons	17402..17647		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o4.tm	Method	TBLASTX:Maize
Start	17618	End	18118
GI	none	Score	43
Exons	17618..17953, 17661..17711, 17736..17867, 17939..18118		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6

Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o6.tw	Method	TBLASTX:Wheat
Start	17655	End	17956
GI	none	Score	234
Exons	17655..17924, 17660..17956, 17663..17956		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o1.ts	Method	TBLASTX:Soybean
Start	17669	End	18064
GI	none	Score	163
Exons	17669..18028, 17670..17924, 17885..18028, 18020..18064, 18032..18064		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o4.tw	Method	TBLASTX:Wheat
Start	18005	End	18487
GI	none	Score	176
Exons	18005..18487, 18014..18358, 18048..18383		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o6.tm	Method	TBLASTX:Maize
Start	18186	End	18475
GI	none	Score	165
Exons	18186..18377, 18188..18475		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o9.tw	Method	TBLASTX:Wheat
Start	18644	End	19066
GI	none	Score	106
Exons	18644..18832, 18651..18806, 18872..19066, 18918..19031		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o12.tw	Method	TBLASTX:Wheat
Start	19343	End	19586
GI	none	Score	40
Exons	19343..19423, 19344..19385, 19409..19585, 19497..19586		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o8.tm	Method	TBLASTX:Maize
Start	19373	End	19705
GI	none	Score	94
Exons	19373..19705, 19427..19696, 19518..19688		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6

Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o8.tw	Method	TBLASTX:Wheat
Start	19586	End	19945
GI	none	Score	90
Exons	19586..19945, 19587..19820, 19845..19919		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o13.tw	Method	TBLASTX:Wheat
Start	23091	End	23382
GI	none	Score	180
Exons	23091..23366, 23098..23382		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o2.tm	Method	TBLASTX:Maize
Start	26509	End	27276
GI	none	Score	46
Exons	26509..26874, 26510..26533, 26530..26874, 26923..27195, 27031..27195, 27090..27209, 27202..27276		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o1.tc	Method	TBLASTX:Cress
Start	26530	End	26874
GI	none	Score	77
Exons	26530..26604, 26607..26801, 26608..26874, 26617..26874		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o3.ts	Method	TBLASTX:Soybean
Start	26560	End	26874
GI	none	Score	260
Exons	26560..26874, 26583..26801		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o6.ts	Method	TBLASTX:Soybean
Start	26923	End	27201
GI	none	Score	54
Exons	26923..26970, 27031..27201, 27090..27191		

Seq. No.	4884	Seq. ID	OJ990502_26.9A19.C6
Gene No.	10201	Strand	-
Start	27057	End	27353
Name	OJ990502_26.9A19.C6.o4.gp	Method	AAT/GAP
Start	27057	End	27353
GI	27772_2.R1084	Score	526
Exons	27057..27353		
GI Descrip.	'5921647/gb|AAD56282.1|AF155332_1 2.0e-52 (AF155332) flavonoid 3''-hydroxylase [Petunia x hybrida]'		

Seq. No.	4885	Seq. ID	OJ990502_26.9A19.C7
Gene No.	10202	Strand	-
Start	249	End	865
Name	OJ990502_26.9A19.C7.o1.np	Method	AAT/NAP
Start	249	End	865
GI	4982518	Score	216
Exons	249..865		
GI Descrip.	(AC000107) F17F8.24 [Arabidopsis thaliana]		

Seq. No.	4885	Seq. ID	OJ990502_26.9A19.C7
Gene No.	10202	Strand	-
Start	249	End	865
Name	OJ990502_26.9A19.C7.o1.tm	Method	TBLASTX:Maize
Start	259	End	648
GI	none	Score	81
Exons	259..348, 355..375, 408..566, 420..560, 421..567, 568..648		

Seq. No.	4885	Seq. ID	OJ990502_26.9A19.C7
Gene No.	10202	Strand	-
Start	249	End	865
Name	OJ990502_26.9A19.C7.o1.tw	Method	TBLASTX:Wheat
Start	259	End	581
GI	none	Score	42
Exons	259..288, 259..291, 298..375, 366..581, 367..567		

Seq. No.	4886	Seq. ID	OJ990502_26.9A19.C8
Gene No.	10203	Strand	-
Start	1	End	956
Name	OJ990502_26.9A19.C8.o1.np	Method	AAT/NAP
Start	1	End	956
GI	4539658	Score	114
Exons	1..181, 914..956		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	4886	Seq. ID	OJ990502_26.9A19.C8
Gene No.	10203	Strand	-
Start	1	End	956
Name	OJ990502_26.9A19.C8.o2.np	Method	AAT/NAP
Start	1	End	956
GI	4680179	Score	1036
Exons	1..63, 314..956		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4886	Seq. ID	OJ990502_26.9A19.C8
Gene No.	10203	Strand	-
Start	1	End	956
Name	OJ990502_26.9A19.C8.o1.gp	Method	AAT/GAP
Start	60	End	600
GI	LIB3475-004-P1-K2-A5	Score	395
Exons	60..338, 580..600		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	4886	Seq. ID	OJ990502_26.9A19.C8
Gene No.	10203	Strand	-

Start	1	End	956
Name	OJ990502_26.9A19.C8.o1.gs	Method	GENSCAN
Start	308	End	870
GI	none	Score	.53
Exons	308..870		

Seq. No.	4886	Seq. ID	OJ990502_26.9A19.C8
Gene No.	10203	Strand	-
Start	1	End	956
Name	OJ990502_26.9A19.C8.o1.tm	Method	TBLASTX:Maize
Start	309	End	569
GI	none	Score	129
Exons	309..470, 314..568, 414..569		

Seq. No.	4886	Seq. ID	OJ990502_26.9A19.C8
Gene No.	10203	Strand	-
Start	1	End	956
Name	OJ990502_26.9A19.C8.o1.tw	Method	TBLASTX:Wheat
Start	312	End	580
GI	none	Score	148
Exons	312..503, 314..580		

Seq. No.	4886	Seq. ID	OJ990502_26.9A19.C8
Gene No.	10203	Strand	-
Start	1	End	956
Name	OJ990502_26.9A19.C8.o2.tw	Method	TBLASTX:Wheat
Start	584	End	931
GI	none	Score	49
Exons	584..670, 585..662, 719..931, 810..905		

Seq. No.	4887	Seq. ID	OJ990502_26.9A19.C9
Gene No.	10204	Strand	+
Start	1	End	570
Name	OJ990502_26.9A19.C9.o1.np	Method	AAT/NAP
Start	1	End	561
GI	4680179	Score	956
Exons	1..561		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4887	Seq. ID	OJ990502_26.9A19.C9
Gene No.	10204	Strand	+
Start	1	End	570
Name	OJ990502_26.9A19.C9.o1.tm	Method	TBLASTX:Maize
Start	9	End	336
GI	none	Score	364
Exons	9..323, 10..336		

Seq. No.	4887	Seq. ID	OJ990502_26.9A19.C9
Gene No.	10204	Strand	+
Start	1	End	570
Name	OJ990502_26.9A19.C9.o1.gs	Method	GENSCAN
Start	70	End	564
GI	none	Score	.84
Exons	70..564		

Seq. No.	4887	Seq. ID	OJ990502_26.9A19.C9
Gene No.	10204	Strand	+

Start	1	End	570
Name	OJ990502_26.9A19.C9.o1.tw	Method	TBLASTX:Wheat
Start	77	End	551
GI	none	Score	464
Exons	77..118, 94..516, 114..254, 211..291, 276..392, 355..495, 498..551		

Seq. No.	4887	Seq. ID	OJ990502_26.9A19.C9
Gene No.	10204	Strand	+
Start	1	End	570
Name	OJ990502_26.9A19.C9.o2.tm	Method	TBLASTX:Maize
Start	346	End	570
GI	none	Score	193
Exons	346..537, 538..570		

Seq. No.	4888	Seq. ID	OJ990502_26.9A19.C11
Gene No.	10205	Strand	+
Start	1	End	305
Name	OJ990502_26.9A19.C11.o1.np	Method	AAT/NAP
Start	1	End	305
GI	4680179	Score	446
Exons	1..305		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4888	Seq. ID	OJ990502_26.9A19.C11
Gene No.	10205	Strand	+
Start	1	End	305
Name	OJ990502_26.9A19.C11.o1.tw	Method	TBLASTX:Wheat
Start	3	End	260
GI	none	Score	240
Exons	3..260, 20..133		

Seq. No.	4888	Seq. ID	OJ990502_26.9A19.C11
Gene No.	10205	Strand	+
Start	1	End	305
Name	OJ990502_26.9A19.C11.o1.gs	Method	GENSCAN
Start	6	End	296
GI	none	Score	.66
Exons	6..208, 275..296		

Seq. No.	4888	Seq. ID	OJ990502_26.9A19.C11
Gene No.	10205	Strand	+
Start	1	End	305
Name	OJ990502_26.9A19.C11.o1.tm	Method	TBLASTX:Maize
Start	15	End	248
GI	none	Score	190
Exons	15..248, 18..248		

Seq. No.	4889	Seq. ID	OJ990502_26.9A19.C13
Gene No.	10206	Strand	+
Start	1690	End	1779
Name	OJ990502_26.9A19.C13.o2.gp	Method	AAT/GAP
Start	1690	End	1779
GI	2311321	Score	94
Exons	1690..1779		

Seq. No.	4889	Seq. ID	OJ990502_26.9A19.C13

Gene No.	10207	Strand	-
Start	598	End	806
Name	OJ990502_26.9A19.C13.o1.gp	Method	AAT/GAP
Start	598	End	806
GI	2311321	Score	364
Exons	598..806		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10208	Strand	+
Start	9977	End	10949
Name	OJ990502_26.9A19.C14.o1.gp	Method	AAT/GAP
Start	9977	End	10949
GI	27772_1.R1084	Score	1761
Exons	9977..10949		
GI Descrip.	'5921647/gb|AAD56282.1|AF155332_1 1.0e-77 (AF155332) flavonoid 3''-hydroxylase [Petunia x hybrida]'		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10209	Strand	+
Start	13803	End	14185
Name	OJ990502_26.9A19.C14.o2.np	Method	AAT/NAP
Start	13803	End	14185
GI	2462640	Score	423
Exons	13803..14185		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10210	Strand	-
Start	10304	End	13142
Name	OJ990502_26.9A19.C14.o1.np	Method	AAT/NAP
Start	10304	End	12842
GI	5921647	Score	736
Exons	10304..10942, 12813..12842		
GI Descrip.	(AF155332) flavonoid 3'-hydroxylase [Petunia x hybrida]		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10210	Strand	-
Start	10304	End	13142
Name	OJ990502_26.9A19.C14.o1.ts	Method	TBLASTX:Soybean
Start	10326	End	10949
GI	none	Score	117
Exons	10326..10565, 10373..10561, 10580..10903, 10580..10945, 10851..10949		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10210	Strand	-
Start	10304	End	13142
Name	OJ990502_26.9A19.C14.o1.tm	Method	TBLASTX:Maize
Start	10382	End	10942
GI	none	Score	89
Exons	10382..10561, 10386..10556, 10430..10561, 10564..10764, 10580..10942, 10581..10772, 10598..10921, 10869..10931		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10210	Strand	-
Start	10304	End	13142
Name	OJ990502_26.9A19.C14.o3.tw	Method	TBLASTX:Wheat

Start	10403	End	10640
GI	none	Score	168
Exons	10403..10639, 10422..10640		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10210	Strand	-
Start	10304	End	13142
Name	OJ990502_26.9A19.C14.o1.tc	Method	TBLASTX:Cress
Start	10421	End	10942
GI	none	Score	86
Exons	10421..10561, 10422..10562, 10580..10942, 10581..10802		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10210	Strand	-
Start	10304	End	13142
Name	OJ990502_26.9A19.C14.o1.tw	Method	TBLASTX:Wheat
Start	10643	End	10943
GI	none	Score	56
Exons	10643..10942, 10644..10763, 10851..10943		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10210	Strand	-
Start	10304	End	13142
Name	OJ990502_26.9A19.C14.o2.tw	Method	TBLASTX:Wheat
Start	12730	End	13142
GI	none	Score	181
Exons	12730..12969, 12741..12962, 12978..13142		

Seq. No.	4890	Seq. ID	OJ990502_26.9A19.C14
Gene No.	10211	Strand	
Start	13584	End	14081
Name	OJ990502_26.9A19.C14.o2.tm	Method	TBLASTX:Maize
Start	13584	End	14081
GI	none	Score	64
Exons	13584..13694, 13746..13994, 13998..14081		

Seq. No.	4891	Seq. ID	OJ990502_26.9A19.C15
Gene No.	10212	Strand	-
Start	1	End	627
Name	OJ990502_26.9A19.C15.o1.np	Method	AAT/NAP
Start	1	End	627
GI	4680179	Score	1088
Exons	1..627		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4891	Seq. ID	OJ990502_26.9A19.C15
Gene No.	10212	Strand	-
Start	1	End	627
Name	OJ990502_26.9A19.C15.o2.tw	Method	TBLASTX:Wheat
Start	2	End	284
GI	none	Score	226
Exons	2..283, 6..284		

Seq. No.	4891	Seq. ID	OJ990502_26.9A19.C15
Gene No.	10212	Strand	-
Start	1	End	627
Name	OJ990502_26.9A19.C15.o1.tm	Method	TBLASTX:Maize

Start	5	End	325
GI	none	Score	76
Exons	5..97, 8..325, 12..314		

Seq. No.	4891	Seq. ID	OJ990502_26.9A19.C15
Gene No.	10212	Strand	-
Start	1	End	627
Name	OJ990502_26.9A19.C15.o1.gs	Method	GENSCAN
Start	64	End	478
GI	none	Score	.65
Exons	64..478		

Seq. No.	4891	Seq. ID	OJ990502_26.9A19.C15
Gene No.	10212	Strand	-
Start	1	End	627
Name	OJ990502_26.9A19.C15.o1.ts	Method	TBLASTX:Soybean
Start	242	End	502
GI	none	Score	157
Exons	242..502, 243..497		

Seq. No.	4891	Seq. ID	OJ990502_26.9A19.C15
Gene No.	10212	Strand	-
Start	1	End	627
Name	OJ990502_26.9A19.C15.o1.tc	Method	TBLASTX:Cress
Start	266	End	604
GI	none	Score	87
Exons	266..409, 267..407, 410..604		

Seq. No.	4891	Seq. ID	OJ990502_26.9A19.C15
Gene No.	10212	Strand	-
Start	1	End	627
Name	OJ990502_26.9A19.C15.o1.tw	Method	TBLASTX:Wheat
Start	290	End	577
GI	none	Score	248
Exons	290..574, 291..545, 323..577		

Seq. No.	4891	Seq. ID	OJ990502_26.9A19.C15
Gene No.	10212	Strand	-
Start	1	End	627
Name	OJ990502_26.9A19.C15.o2.tm	Method	TBLASTX:Maize
Start	326	End	499
GI	none	Score	158
Exons	326..499, 327..497, 338..499		

Seq. No.	4892	Seq. ID	OJ990502_22.9A14.C1
Gene No.	10213	Strand	+
Start	77	End	459
Name	OJ990502_22.9A14.C1.o1.gp	Method	AAT/GAP
Start	77	End	459
GI	75_1.R1084	Score	736
Exons	77..459		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	4892	Seq. ID	OJ990502_22.9A14.C1
Gene No.	10214	Strand	-
Start	368	End	459

Name	OJ990502_22.9A14.C1.o1.np	Method	AAT/NAP
Start	368	End	459
GI	3763849	Score	118
Exons	368..459		
GI Descrip.	(AB018377) early nodulin [Oryza sativa]		

Seq. No.	4893	Seq. ID	OJ990502_22.9A14.C2
Gene No.	10215	Strand	+
Start	96	End	446
Name	OJ990502_22.9A14.C2.o1.np	Method	AAT/NAP
Start	96	End	446
GI	3643597	Score	147
Exons	96..206, 322..446		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4894	Seq. ID	OJ990502_22.9A14.C3
Gene No.	10216	Strand	-
Start	1	End	590
Name	OJ990502_22.9A14.C3.o1.gp	Method	AAT/GAP
Start	1	End	590
GI	1272_2.R1084	Score	1087
Exons	1..590		
GI Descrip.	'3643598 2.0e-42 (AC005395) putative poly(A) polymerase [Arabidopsis thaliana]'		

Seq. No.	4895	Seq. ID	OJ990502_22.9A14.C6
Gene No.	10217	Strand	-
Start	1	End	184
Name	OJ990502_22.9A14.C6.o1.np	Method	AAT/NAP
Start	1	End	184
GI	6069646	Score	125
Exons	1..184		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	4896	Seq. ID	OJ990502_22.9A14.C8
Gene No.	10218	Strand	-
Start	2182	End	6163
Name	OJ990502_22.9A14.C8.o1.gs	Method	GENSCAN
Start	2182	End	6163
GI	none	Score	.58
Exons	2182..2675, 3142..3196, 4792..4827, 6080..6163		

Seq. No.	4897	Seq. ID	OJ990502_22.9A14.C9
Gene No.	10219	Strand	+
Start	1448	End	1768
Name	OJ990502_22.9A14.C9.o2.gp	Method	AAT/GAP
Start	1448	End	1768
GI	none	Score	642
Exons	1448..1768		

Seq. No.	4897	Seq. ID	OJ990502_22.9A14.C9
Gene No.	10220	Strand	+
Start	2952	End	3118

Name	OJ990502_22.9A14.C9.o3.gp	Method	AAT/GAP
Start	2952	End	3118
GI	none	Score	309
Exons	2952..3118		

Seq. No.	4897	Seq. ID	OJ990502_22.9A14.C9
Gene No.	10221	Strand	-
Start	97	End	557
Name	OJ990502_22.9A14.C9.o1.gp	Method	AAT/GAP
Start	97	End	557
GI	3762181	Score	827
Exons	97..557		

Seq. No.	4897	Seq. ID	OJ990502_22.9A14.C9
Gene No.	10222	Strand	-
Start	572	End	4433
Name	OJ990502_22.9A14.C9.o1.np	Method	AAT/NAP
Start	572	End	4433
GI	1351999	Score	276
Exons	572..736, 1201..1261, 1372..1526, 1569..1781, 4351..4433		
GI Descrip.	HOMEOBOX PROTEIN ATH1 gi|685234|emb|CAA56426| (X80126) H1 [Arabidopsis thaliana] gi|3688179|emb|CAA21207| (AL031804) homeobox gene ATH1 [Arabidopsis thaliana]		

Seq. No.	4897	Seq. ID	OJ990502_22.9A14.C9
Gene No.	10222	Strand	-
Start	572	End	4433
Name	OJ990502_22.9A14.C9.o1.gs	Method	GENSCAN
Start	596	End	2897
GI	none	Score	.87
Exons	596..736, 1201..1261, 1372..2897		

Seq. No.	4897	Seq. ID	OJ990502_22.9A14.C9
Gene No.	10222	Strand	-
Start	572	End	4433
Name	OJ990502_22.9A14.C9.o1.tc	Method	TBLASTX:Cress
Start	659	End	1574
GI	none	Score	40
Exons	659..736, 1198..1260, 1368..1397, 1377..1574, 1378..1497		

Seq. No.	4898	Seq. ID	OJ990502_22.9A14.C10
Gene No.	10223	Strand	+
Start	1	End	632
Name	OJ990502_22.9A14.C10.o1.gp	Method	AAT/GAP
Start	1	End	632
GI	342_1.R1084	Score	1153
Exons	1..632		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	4898	Seq. ID	OJ990502_22.9A14.C10
Gene No.	10223	Strand	+
Start	1	End	632
Name	OJ990502_22.9A14.C10.o1.np	Method	AAT/NAP
Start	1	End	632
GI	6742729	Score	1015
Exons	1..632		

GI Descrip. (AF121139) RIM2 protein [Oryza sativa]

Seq. No.	4898	Seq. ID	OJ990502_22.9A14.C10
Gene No.	10223	Strand	+
Start	1	End	632
Name	OJ990502_22.9A14.C10.o2.tw	Method	TBLASTX:Wheat
Start	1	End	197
GI	none	Score	236
Exons	1..192, 3..197		

Seq. No.	4898	Seq. ID	OJ990502_22.9A14.C10
Gene No.	10223	Strand	+
Start	1	End	632
Name	OJ990502_22.9A14.C10.o1.ts	Method	TBLASTX:Soybean
Start	61	End	303
GI	none	Score	217
Exons	61..303, 147..245		

Seq. No.	4898	Seq. ID	OJ990502_22.9A14.C10
Gene No.	10223	Strand	+
Start	1	End	632
Name	OJ990502_22.9A14.C10.o1.gs	Method	GENSCAN
Start	226	End	580
GI	none	Score	.92
Exons	226..580		

Seq. No.	4898	Seq. ID	OJ990502_22.9A14.C10
Gene No.	10223	Strand	+
Start	1	End	632
Name	OJ990502_22.9A14.C10.o1.tw	Method	TBLASTX:Wheat
Start	294	End	627
GI	none	Score	111
Exons	294..437, 295..414, 411..590, 412..627, 424..594		

Seq. No.	4899	Seq. ID	OJ990502_22.9A14.C11
Gene No.	10224	Strand	-
Start	1	End	628
Name	OJ990502_22.9A14.C11.o1.np	Method	AAT/NAP
Start	1	End	628
GI	2498930	Score	695
Exons	1..397, 565..628		

GI Descrip. DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.	4899	Seq. ID	OJ990502_22.9A14.C11
Gene No.	10224	Strand	-
Start	1	End	628
Name	OJ990502_22.9A14.C11.o1.gs	Method	GENSCAN
Start	9	End	624
GI	none	Score	.97
Exons	9..397, 565..624		

Seq. No.	4900	Seq. ID	OJ990502_22.9A14.C12
Gene No.	10225	Strand	+
Start	345	End	464
Name	OJ990502_22.9A14.C12.o1.gs	Method	GENSCAN
Start	345	End	464

GI	none	Score	.54
Exons	345..464		

Seq. No.	4900	Seq. ID	OJ990502_22.9A14.C12
Gene No.	10226	Strand	-
Start	170	End	228
Name	OJ990502_22.9A14.C12.o1.gp	Method	AAT/GAP
Start	170	End	228
GI	2312838	Score	74
Exons	170..228		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	4901	Seq. ID	OJ990502_22.9A14.C13
Gene No.	10227	Strand	+
Start	2321	End	3554
Name	OJ990502_22.9A14.C13.o1.gp	Method	AAT/GAP
Start	2321	End	3422
GI	75_1.R1084	Score	406
Exons	2321..2448, 2951..3012, 3347..3422		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	4901	Seq. ID	OJ990502_22.9A14.C13
Gene No.	10227	Strand	+
Start	2321	End	3554
Name	OJ990502_22.9A14.C13.o1.np	Method	AAT/NAP
Start	2388	End	3554
GI	3763849	Score	238
Exons	2388..2448, 2951..3012, 3347..3422, 3462..3554		
GI Descrip.	(AB018377) early nodulin [Oryza sativa]		

Seq. No.	4902	Seq. ID	OJ990502_22.9A14.C14
Gene No.	10228	Strand	+
Start	1	End	1072
Name	OJ990502_22.9A14.C14.o1.np	Method	AAT/NAP
Start	1	End	1072
GI	3763849	Score	116
Exons	1..26, 971..1072		
GI Descrip.	(AB018377) early nodulin [Oryza sativa]		

Seq. No.	4902	Seq. ID	OJ990502_22.9A14.C14
Gene No.	10229	Strand	-
Start	602	End	3470
Name	OJ990502_22.9A14.C14.o1.gs	Method	GENSCAN
Start	602	End	2651
GI	none	Score	.9
Exons	602..747, 961..1024, 1642..1805, 2109..2180, 2636..2651		

Seq. No.	4902	Seq. ID	OJ990502_22.9A14.C14
Gene No.	10229	Strand	-
Start	602	End	3470
Name	OJ990502_22.9A14.C14.o1.gp	Method	AAT/GAP
Start	981	End	1363
GI	75_1.R1084	Score	744
Exons	981..1363		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon		

4-coumarate-CoA ligase gene, intron 1, partial sequence'

Seq. No.	4902	Seq. ID	OJ990502_22.9A14.C14
Gene No.	10229	Strand	-
Start	602	End	3470
Name	OJ990502_22.9A14.C14.o2.gp	Method	AAT/GAP
Start	1935	End	3470
GI	uC-osrocyp008e06a1	Score	793
Exons	1935..2180, 3184..3296, 3406..3470		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4902	Seq. ID	OJ990502_22.9A14.C14
Gene No.	10230	Strand	-
Start	5229	End	6686
Name	OJ990502_22.9A14.C14.o1.tm	Method	TBLASTX:Maize
Start	4058	End	4364
GI	none	Score	313
Exons	4058..4147, 4062..4364, 4062..4220, 4202..4300, 4242..4361		

Seq. No.	4902	Seq. ID	OJ990502_22.9A14.C14
Gene No.	10230	Strand	-
Start	5229	End	6686
Name	OJ990502_22.9A14.C14.o3.gp	Method	AAT/GAP
Start	5229	End	6686
GI	uC-osrocyp008d07b1	Score	767
Exons	5229..5296, 5440..5625, 6391..6441, 6534..6686		
GI Descrip.	'3643596 2.0e-09 (AC005395) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4902	Seq. ID	OJ990502_22.9A14.C14
Gene No.	10230	Strand	-
Start	5229	End	6686
Name	OJ990502_22.9A14.C14.o3.np	Method	AAT/NAP
Start	5428	End	5652
GI	3643596	Score	146
Exons	5428..5652		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10231	Strand	+
Start	17710	End	18314
Name	OJ990502_22.9A14.C15.o3.np	Method	AAT/NAP
Start	17710	End	18314
GI	3413709	Score	496
Exons	17710..18314		
GI Descrip.	(AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10232	Strand	-
Start	605	End	2611
Name	OJ990502_22.9A14.C15.o1.gs	Method	GENSCAN
Start	605	End	2611
GI	none	Score	.88
Exons	605..697, 977..1074, 1162..1242, 1338..1512, 1848..2099, 2261..2611		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10232	Strand	-
Start	605	End	2611
Name	OJ990502_22.9A14.C15.o1.np	Method	AAT/NAP
Start	1168	End	2549
GI	3643597	Score	503
Exons	1168..1533, 1649..1759, 1848..2110, 2272..2549		
GI Descrip.	(AC005395) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10233	Strand	-
Start	3044	End	3319
Name	OJ990502_22.9A14.C15.o1.gp	Method	AAT/GAP
Start	3044	End	3319
GI	4714727	Score	486
Exons	3044..3319		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o3.tm	Method	TBLASTX:Maize
Start	605	End	1706
GI	none	Score	113
Exons	605..697, 606..698, 611..700, 977..1087, 977..1072, 1142..1246, 1145..1243, 1363..1512, 1363..1485, 1374..1520, 1425..1532, 1661..1705, 1662..1706, 1662..1706		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o3.ts	Method	TBLASTX:Soybean
Start	1381	End	2063
GI	none	Score	81
Exons	1381..1407, 1387..1485, 1388..1555, 1397..1519, 1654..1752, 1661..1759, 1662..1754, 1845..2021, 1848..2021, 1849..2031, 2004..2063		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o2.gs	Method	GENSCAN
Start	3302	End	11456
GI	none	Score	.48
Exons	3302..3502, 3610..3718, 3822..3856, 3946..3996, 4191..4268, 4387..4524, 4965..5154, 5579..5709, 7466..7518, 10102..10158, 10538..11456		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o4.tm	Method	TBLASTX:Maize
Start	3341	End	5084
GI	none	Score	87
Exons	3341..3505, 3357..3503, 3610..3726, 3821..3856, 3923..3979, 3931..3993, 4375..4521, 4382..4525, 4843..4896, 4974..5084		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15

Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o2.gp	Method	AAT/GAP
Start	5005	End	5655
GI	4714726	Score	586
Exons	5005..5197, 5546..5655		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o2.np	Method	AAT/NAP
Start	10497	End	13626
GI	4220445	Score	1726
Exons	10497..11696, 12879..13626		
GI Descrip.	(AC006216) Similar to gi|3004555 F19F24.14 salt inducible protein homolog from Arabidopsis thaliana BAC gb|AC003673. [Arabidopsis thaliana]		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o1.tc	Method	TBLASTX:Cress
Start	10518	End	13031
GI	none	Score	90
Exons	10518..10871, 10617..10976, 10660..10977, 10785..11078, 10863..11174, 11214..11696, 11224..11667, 12867..13031		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o1.ts	Method	TBLASTX:Soybean
Start	10578	End	11696
GI	none	Score	65
Exons	10578..10805, 10603..10797, 10677..10904, 10677..10904, 10678..10905, 10692..10865, 10782..11015, 10788..10955, 10887..11114, 10887..11117, 10893..11096, 10915..11097, 10969..11097, 10995..11150, 11007..11150, 11355..11525, 11403..11636, 11508..11696, 11514..11675		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o1.tm	Method	TBLASTX:Maize
Start	10578	End	13019
GI	none	Score	65
Exons	10578..10859, 10578..10769, 10680..10964, 10687..10836, 10771..10947, 10785..11096, 10806..10847, 10807..10848, 10839..10889, 10875..11198, 10876..11199, 11355..11600, 11397..11690, 11475..11678, 11616..11696, 12879..13019		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o3.gs	Method	GENSCAN
Start	12861	End	19057
GI	none	Score	.81
Exons	12861..13711, 17626..17721, 17790..18068, 18125..18425,		

18980..19057

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o2.tm	Method	TBLASTX:Maize
Start	17767	End	18075
GI	none	Score	50
Exons	17767..17793, 17832..18074, 17833..18075		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o2.tc	Method	TBLASTX:Cress
Start	17833	End	18275
GI	none	Score	263
Exons	17833..18093, 17841..18089, 18108..18140, 18204..18275, 18209..18274		

Seq. No.	4903	Seq. ID	OJ990502_22.9A14.C15
Gene No.	10234	Strand	-
Start	3302	End	19057
Name	OJ990502_22.9A14.C15.o2.ts	Method	TBLASTX:Soybean
Start	17839	End	18316
GI	none	Score	294
Exons	17839..18093, 17850..18092, 18108..18140, 18204..18275, 18209..18316		

Seq. No.	4904	Seq. ID	OJ990502_22.9A14.C17
Gene No.	10235	Strand	-
Start	1	End	455
Name	OJ990502_22.9A14.C17.o1.np	Method	AAT/NAP
Start	1	End	455
GI	2498930	Score	772
Exons	1..455		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4904	Seq. ID	OJ990502_22.9A14.C17
Gene No.	10235	Strand	-
Start	1	End	455
Name	OJ990502_22.9A14.C17.o1.gs	Method	GENSCAN
Start	20	End	406
GI	none	Score	.83
Exons	20..406		

Seq. No.	4905	Seq. ID	OJ990502_22.9A14.C18
Gene No.	10236	Strand	-
Start	1	End	223
Name	OJ990502_22.9A14.C18.o1.gp	Method	AAT/GAP
Start	1	End	223
GI	uC-osrocyp008e06a1	Score	446
Exons	1..223		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-50 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	4906	Seq. ID	OJ990502_22.9A14.C19

Gene No.	10237	Strand	+
Start	308	End	740
Name	OJ990502_22.9A14.C19.o1.gp	Method	AAT/GAP
Start	308	End	740
GI	uC-osflcyp033a04b1	Score	527
Exons	308..331, 422..740		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4906	Seq. ID	OJ990502_22.9A14.C19
Gene No.	10238	Strand	-
Start	292	End	642
Name	OJ990502_22.9A14.C19.o1.np	Method	AAT/NAP
Start	292	End	492
GI	4680186	Score	84
Exons	292..492		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4906	Seq. ID	OJ990502_22.9A14.C19
Gene No.	10238	Strand	-
Start	292	End	642
Name	OJ990502_22.9A14.C19.o1.gs	Method	GENSCAN
Start	351	End	642
GI	none	Score	.52
Exons	351..492, 589..642		

Seq. No.	4907	Seq. ID	OJ990502_22.9A14.C21
Gene No.	10239	Strand	-
Start	697	End	2667
Name	OJ990502_22.9A14.C21.o1.gs	Method	GENSCAN
Start	697	End	2667
GI	none	Score	.4
Exons	697..741, 2467..2667		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10240	Strand	+
Start	3026	End	4237
Name	OJ990502_22.9A14.C22.o1.gs	Method	GENSCAN
Start	3026	End	4237
GI	none	Score	.58
Exons	3026..3181, 3864..3997, 4159..4237		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10241	Strand	+
Start	5531	End	8703
Name	OJ990502_22.9A14.C22.o1.np	Method	AAT/NAP
Start	5531	End	8634
GI	5107831	Score	1983
Exons	5531..8105, 8219..8634		
GI Descrip.	(AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10241	Strand	+
Start	5531	End	8703

Name	OJ990502_22.9A14.C22.o2.gs	Method	GENSCAN
Start	5531	End	8703
GI	none	Score	.56
Exons	5531..5714, 5805..8105, 8219..8703		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10241	Strand	+
Start	5531	End	8703
Name	OJ990502_22.9A14.C22.o1.gp	Method	AAT/GAP
Start	5579	End	6509
GI	25162_1.R1084	Score	1657
Exons	5579..6509		
GI Descrip.	'5107831/gb|AAD40144.1|AF149413_25 3.0e-47 (AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]'		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10241	Strand	+
Start	5531	End	8703
Name	OJ990502_22.9A14.C22.o2.gp	Method	AAT/GAP
Start	6840	End	7342
GI	LIB3475-001-P1-K2-G8	Score	986
Exons	6840..7342		
GI Descrip.	'5107831/gb|AAD40144.1|AF149413_25 5.0e-28 (AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]'		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10242	Strand	-
Start	8987	End	9304
Name	OJ990502_22.9A14.C22.o3.gp	Method	AAT/GAP
Start	8987	End	9304
GI	none	Score	467
Exons	8987..9304		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10243	Strand	-
Start	10331	End	10780
Name	OJ990502_22.9A14.C22.o1.ts	Method	TBLASTX:Soybean
Start	5678	End	10583
GI	none	Score	92
Exons	5678..5920, 5729..5911, 5729..5929, 5762..5935, 5762..5935, 5762..5920, 5762..6058, 5762..5914, 5939..6058, 5948..6058, 6124..6348, 6125..6373, 6125..6361, 6161..6361, 6370..6504, 6371..6862, 6371..6709, 6371..6640, 6374..6736, 6374..6868, 6374..6865, 6374..6499, 6388..6564, 6397..6564, 6398..6862, 6446..6637, 6464..6646, 6475..6786, 6518..6862, 6584..6865, 6686..6874, 6686..6892, 6854..6925, 6869..6943, 6902..7138, 6935..7135, 6955..7077, 6956..7126, 6959..7126, 6964..7134, 7295..7348, 7450..7599, 7451..7603, 7691..7837, 7871..8104, 7876..8103, 8218..8301, 8419..8520, 10324..10362, 10482..10583		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10243	Strand	-
Start	10331	End	10780

Name	OJ990502_22.9A14.C22.o1.tc	Method	TBLASTX:Cress
Start	5687	End	10577
GI	none	Score	76
Exons	5687..5830, 5717..5953, 5720..5935, 5720..5911, 5729..5932, 5759..5920, 5762..5929, 5762..5920, 5762..5926, 5762..5911, 5783..5911, 5789..5908, 5939..6058, 5939..6070, 5939..6049, 5939..5995, 5948..6058, 6104..6349, 6125..6436, 6125..6862, 6125..6349, 6257..6349, 6331..6630, 6359..6760, 6362..6430, 6371..6862, 6374..6646, 6374..6862, 6374..6832, 6374..6862, 6382..6423, 6382..6579, 6416..6646, 6434..6625, 6476..6571, 6481..6858, 6488..6790, 6509..6697, 6520..6780, 6535..6771, 6560..6865, 6734..6871, 6767..6859, 6863..6922, 6911..7063, 6926..7126, 6929..7135, 6932..7138, 6934..7053, 6935..7195, 6955..7134, 6956..7054, 6956..7063, 6956..7138, 6956..7135, 6959..7126, 6967..7137, 6971..7144, 6974..7129, 6998..7138, 7136..7201, 7148..7333, 7157..7201, 7160..7273, 7246..7278, 7475..7618, 7676..7855, 7871..8053, 7879..8034, 8218..8313, 8416..8514, 10324..10362, 10479..10577		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10243	Strand	-
Start	10331	End	10780
Name	OJ990502_22.9A14.C22.o1.tm	Method	TBLASTX:Maize
Start	5729	End	7204
GI	none	Score	85
Exons	5729..5932, 5789..5929, 5946..6056, 5960..6058, 6118..6342, 6125..6367, 6299..6349, 6358..6789, 6359..6787, 6470..6859, 6515..6862, 6602..6871, 6923..7138, 6935..7054, 6935..7138, 6956..7123, 7142..7204		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10243	Strand	-
Start	10331	End	10780
Name	OJ990502_22.9A14.C22.o2.tw	Method	TBLASTX:Wheat
Start	5816	End	7138
GI	none	Score	119
Exons	5816..6058, 5990..6070, 6155..6343, 6374..6619, 6446..6691, 6500..6763, 6572..6646, 6671..6835, 6928..7059, 6929..7063, 7007..7138		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10243	Strand	-
Start	10331	End	10780
Name	OJ990502_22.9A14.C22.o3.tm	Method	TBLASTX:Maize
Start	7451	End	8104
GI	none	Score	108
Exons	7451..7603, 7483..7599, 7691..7852, 7871..8104, 7873..8103		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10243	Strand	-
Start	10331	End	10780
Name	OJ990502_22.9A14.C22.o1.tw	Method	TBLASTX:Wheat
Start	7688	End	8008
GI	none	Score	160
Exons	7688..7852, 7870..8007, 7871..8008		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22

Gene No.	10243	Strand	-
Start	10331	End	10780
Name	OJ990502_22.9A14.C22.o2.tm	Method	TBLASTX:Maize
Start	8215	End	10780
GI	none	Score	143
Exons	8215..8325, 8215..8289, 8319..8567, 8320..8568, 8661..8696, 8662..8697, 10324..10362, 10359..10388, 10382..10630, 10383..10631, 10727..10780, 10728..10766		

Seq. No.	4908	Seq. ID	OJ990502_22.9A14.C22
Gene No.	10243	Strand	-
Start	10331	End	10780
Name	OJ990502_22.9A14.C22.o3.gs	Method	GENSCAN
Start	10331	End	10744
GI	none	Score	.73
Exons	10331..10744		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10244	Strand	+
Start	347	End	2949
Name	OJ990502_22.9A14.C23.o1.gs	Method	GENSCAN
Start	347	End	2949
GI	none	Score	.51
Exons	347..431, 888..1176, 1216..1455, 1468..1994, 2116..2335, 2423..2719, 2809..2949		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10244	Strand	+
Start	347	End	2949
Name	OJ990502_22.9A14.C23.o1.np	Method	AAT/NAP
Start	1426	End	2824
GI	5441880	Score	293
Exons	1426..2087, 2751..2824		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10245	Strand	+
Start	6679	End	7565
Name	OJ990502_22.9A14.C23.o2.np	Method	AAT/NAP
Start	6679	End	7565
GI	6907106	Score	161
Exons	6679..7565		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10246	Strand	-
Start	3763	End	7620
Name	OJ990502_22.9A14.C23.o2.gs	Method	GENSCAN
Start	3763	End	7620
GI	none	Score	.67
Exons	3763..3876, 6405..6432, 6871..7250, 7301..7442, 7454..7620		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-

Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o3.np	Method	AAT/NAP
Start	7783	End	12671
GI	4680203	Score	2339
Exons	7783..7839, 9670..9752, 9858..10085, 10240..11912, 12601..12671		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o1.gp	Method	AAT/GAP
Start	8591	End	8682
GI	21474_1.R1084	Score	135
Exons	8591..8682		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o3.gs	Method	GENSCAN
Start	8893	End	11913
GI	none	Score	.83
Exons	8893..9078, 9158..9256, 9351..9423, 9508..9618, 9715..10174, 10308..11913		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o4.gp	Method	AAT/GAP
Start	9852	End	11909
GI	342_1.R1084	Score	3449
Exons	9852..11909		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o2.tw	Method	TBLASTX:Wheat
Start	9934	End	10384
GI	none	Score	114
Exons	9934..10059, 9936..10058, 10092..10193, 10092..10193, 10132..10194, 10193..10315, 10194..10304, 10195..10320, 10195..10311, 10321..10383, 10334..10384		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o2.ts	Method	TBLASTX:Soybean
Start	10417	End	10659
GI	none	Score	216
Exons	10417..10659		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671

Name	OJ990502_22.9A14.C23.o1.tm	Method	TBLASTX:Maize
Start	10489	End	10947
GI	none	Score	111
Exons	10489..10683, 10693..10947, 10693..10935		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o1.tw	Method	TBLASTX:Wheat
Start	10523	End	10992
GI	none	Score	173
Exons	10523..10729, 10523..10732, 10528..10731, 10528..10752, 10732..10830, 10733..10825, 10834..10938, 10838..10927, 10939..10992, 10940..10984		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o1.tc	Method	TBLASTX:Cress
Start	10780	End	11128
GI	none	Score	88
Exons	10780..11121, 10799..10936, 10976..11128		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o1.ts	Method	TBLASTX:Soybean
Start	10861	End	11290
GI	none	Score	125
Exons	10861..11157, 10879..11103, 11152..11214, 11207..11290, 11215..11289		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o3.tw	Method	TBLASTX:Wheat
Start	11211	End	11576
GI	none	Score	187
Exons	11211..11462, 11221..11472, 11222..11464, 11455..11562, 11469..11576		

Seq. No.	4909	Seq. ID	OJ990502_22.9A14.C23
Gene No.	10247	Strand	-
Start	7783	End	12671
Name	OJ990502_22.9A14.C23.o5.gp	Method	AAT/GAP
Start	11774	End	12362
GI	2310235	Score	301
Exons	11774..11913, 12325..12362		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	4910	Seq. ID	OJ990502_22.9A14.C24
Gene No.	10248	Strand	+
Start	739	End	1573
Name	OJ990502_22.9A14.C24.o1.gs	Method	GENSCAN
Start	739	End	1573
GI	none	Score	.52

Exons	739..931, 1016..1192, 1261..1347, 1353..1573		
Seq. No.	4910	Seq. ID	OJ990502_22.9A14.C24
Gene No.	10249	Strand	+
Start	2947	End	3953
Name	OJ990502_22.9A14.C24.o2.gs	Method	GENSCAN
Start	2947	End	3953
GI	none	Score	.83
Exons	2947..3009, 3504..3573, 3868..3953		
Seq. No.	4911	Seq. ID	OJ990502_22.9A14.C25
Gene No.	10250	Strand	+
Start	3348	End	6305
Name	OJ990502_22.9A14.C25.o1.gs	Method	GENSCAN
Start	3348	End	6108
GI	none	Score	.67
Exons	3348..3610, 4735..5639, 5750..6108		
Seq. No.	4911	Seq. ID	OJ990502_22.9A14.C25
Gene No.	10250	Strand	+
Start	3348	End	6305
Name	OJ990502_22.9A14.C25.o2.tc	Method	TBLASTX:Cress
Start	4715	End	4912
GI	none	Score	182
Exons	4715..4912		
Seq. No.	4911	Seq. ID	OJ990502_22.9A14.C25
Gene No.	10250	Strand	+
Start	3348	End	6305
Name	OJ990502_22.9A14.C25.o1.tm	Method	TBLASTX:Maize
Start	5207	End	5560
GI	none	Score	96
Exons	5207..5359, 5399..5560		
Seq. No.	4911	Seq. ID	OJ990502_22.9A14.C25
Gene No.	10250	Strand	+
Start	3348	End	6305
Name	OJ990502_22.9A14.C25.o1.tw	Method	TBLASTX:Wheat
Start	5207	End	5560
GI	none	Score	92
Exons	5207..5359, 5399..5560		
Seq. No.	4911	Seq. ID	OJ990502_22.9A14.C25
Gene No.	10250	Strand	+
Start	3348	End	6305
Name	OJ990502_22.9A14.C25.o1.ts	Method	TBLASTX:Soybean
Start	5228	End	5644
GI	none	Score	97
Exons	5228..5374, 5399..5566, 5612..5644		
Seq. No.	4911	Seq. ID	OJ990502_22.9A14.C25
Gene No.	10250	Strand	+
Start	3348	End	6305
Name	OJ990502_22.9A14.C25.o1.tc	Method	TBLASTX:Cress
Start	5231	End	5566
GI	none	Score	116
Exons	5231..5365, 5399..5566		

Seq. No.	4911	Seq. ID	OJ990502_22.9A14.C25
Gene No.	10250	Strand	+
Start	3348	End	6305
Name	OJ990502_22.9A14.C25.o1.np	Method	AAT/NAP
Start	5237	End	6305
GI	3641252	Score	213
Exons	5237..5639, 5750..6070, 6217..6305		
GI Descrip.	(AF053127) leucine-rich receptor-like protein kinase [Malus domestica]		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10251	Strand	+
Start	529	End	1361
Name	OJ990502_22.9A14.C26.o1.gp	Method	AAT/GAP
Start	529	End	1361
GI	1272_2.R1084	Score	1631
Exons	529..1361		
GI Descrip.	'3643598 2.0e-42 (AC005395) putative poly(A) polymerase [Arabidopsis thaliana]'		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o1.gs	Method	GENSCAN
Start	314	End	7197
GI	none	Score	.41
Exons	314..363, 1110..1244, 1533..1844, 2434..2626, 2880..2993, 3420..3581, 3662..3724, 4866..4973, 5447..5542, 5643..5827, 6060..6204, 6785..6898, 7168..7197		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o2.tm	Method	TBLASTX:Maize
Start	1487	End	2224
GI	none	Score	61
Exons	1487..1582, 1489..1584, 1492..1590, 1615..1773, 1616..1774, 1636..1794, 1774..1908, 1776..1880, 1778..1903, 2034..2216, 2047..2217, 2048..2224		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o2.ts	Method	TBLASTX:Soybean
Start	1576	End	2377
GI	none	Score	94
Exons	1576..1773, 1594..1770, 1604..1774, 1775..1873, 1780..1908, 1787..1903, 2034..2216, 2048..2224, 2297..2323, 2330..2377		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o2.tc	Method	TBLASTX:Cress
Start	1633	End	2192
GI	none	Score	89
Exons	1633..1770, 1667..1765, 1786..1908, 1787..1903, 2025..2192,		

2048..2191

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o1.np	Method	AAT/NAP
Start	2030	End	5783
GI	3643598	Score	1272
Exons	2030..2215, 2294..2626, 2739..2801, 2880..2993, 3420..3578, 3662..3724, 4866..4973, 5447..5525, 5643..5783		
GI Descrip.	(AC005395) putative poly(A) polymerase [Arabidopsis thaliana]		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o1.tm	Method	TBLASTX:Maize
Start	2174	End	3006
GI	none	Score	152
Exons	2174..2197, 2284..2463, 2285..2467, 2294..2467, 2462..2626, 2463..2627, 2464..2637, 2465..2629, 2733..2798, 2734..2799, 2738..2815, 2873..2983, 2880..3005, 2880..2993, 2881..3006		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o1.tc	Method	TBLASTX:Cress
Start	2198	End	2805
GI	none	Score	61
Exons	2198..2227, 2290..2388, 2294..2467, 2294..2467, 2370..2474, 2425..2607, 2462..2626, 2463..2627, 2480..2629, 2733..2798, 2734..2805		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o1.tw	Method	TBLASTX:Wheat
Start	2291	End	2627
GI	none	Score	135
Exons	2291..2464, 2291..2467, 2292..2468, 2373..2468, 2462..2626, 2463..2627, 2463..2627		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o2.gp	Method	AAT/GAP
Start	2372	End	2958
GI	2310052	Score	724
Exons	2372..2626, 2739..2801, 2880..2958		
GI Descrip.	3643598 2.0e-42 (AC005395) putative poly(A) polymerase [Arabidopsis thaliana]		

Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o1.ts	Method	TBLASTX:Soybean
Start	2462	End	3542
GI	none	Score	176

Exons	2462..2626, 2472..2627, 2482..2637, 2486..2629, 2733..2798, 2734..2799, 2737..2799, 2880..2987, 2880..2996, 2881..3006, 3423..3542, 3435..3542		
Seq. No.	4912	Seq. ID	OJ990502_22.9A14.C26
Gene No.	10252	Strand	-
Start	314	End	7197
Name	OJ990502_22.9A14.C26.o3.tm	Method	TBLASTX:Maize
Start	3418	End	3578
GI	none	Score	78
Exons	3418..3489, 3419..3481, 3423..3578, 3449..3574		
Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10253	Strand	+
Start	3	End	1786
Name	OJ990502_22.9A14.C27.o1.gs	Method	GENSCAN
Start	3	End	1786
GI	none	Score	.94
Exons	3..47, 977..1786		
Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o1.np	Method	AAT/NAP
Start	2033	End	6551
GI	4680179	Score	5383
Exons	2033..3117, 3151..6551		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o9.tw	Method	TBLASTX:Wheat
Start	2249	End	2475
GI	none	Score	211
Exons	2249..2269, 2276..2473, 2278..2475		
Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o7.tw	Method	TBLASTX:Wheat
Start	2509	End	2860
GI	none	Score	294
Exons	2509..2703, 2510..2860		
Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o6.tm	Method	TBLASTX:Maize
Start	2510	End	2872
GI	none	Score	235
Exons	2510..2872, 2524..2640		
Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o7.tm	Method	TBLASTX:Maize

Start	3142	End	3495
GI	none	Score	188
Exons	3142..3495		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o8.tw	Method	TBLASTX:Wheat
Start	3178	End	3615
GI	none	Score	164
Exons	3178..3387, 3234..3386, 3432..3545, 3433..3546, 3574..3615		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o4.tw	Method	TBLASTX:Wheat
Start	3711	End	4197
GI	none	Score	52
Exons	3711..4154, 3715..3765, 3820..4197		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o5.tm	Method	TBLASTX:Maize
Start	3726	End	4016
GI	none	Score	276
Exons	3726..4016, 3727..4014		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o3.tm	Method	TBLASTX:Maize
Start	4084	End	4584
GI	none	Score	167
Exons	4084..4263, 4092..4238, 4270..4584, 4410..4454, 4491..4541		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o1.ts	Method	TBLASTX:Soybean
Start	4138	End	4533
GI	none	Score	57
Exons	4138..4170, 4140..4169, 4174..4533, 4176..4214, 4242..4532		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o5.tw	Method	TBLASTX:Wheat
Start	4246	End	4548
GI	none	Score	372
Exons	4246..4548, 4248..4532		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o3.tw	Method	TBLASTX:Wheat
Start	4549	End	4971

GI	none	Score	583
Exons	4549..4971, 4581..4970		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o3.ts	Method	TBLASTX:Soybean
Start	4555	End	4800
GI	none	Score	208
Exons	4555..4800, 4557..4799		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o2.tm	Method	TBLASTX:Maize
Start	4620	End	4983
GI	none	Score	473
Exons	4620..4970, 4621..4974, 4621..4983		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o2.tw	Method	TBLASTX:Wheat
Start	4974	End	5541
GI	none	Score	651
Exons	4974..5540, 5005..5541		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o2.ts	Method	TBLASTX:Soybean
Start	5329	End	5590
GI	none	Score	286
Exons	5329..5589, 5332..5589, 5408..5590		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o4.tm	Method	TBLASTX:Maize
Start	5387	End	5679
GI	none	Score	111
Exons	5387..5575, 5388..5675, 5389..5679		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o1.tw	Method	TBLASTX:Wheat
Start	5548	End	6173
GI	none	Score	408
Exons	5548..5895, 5604..5870, 5641..5985, 5900..6061, 5904..6173, 5919..6170		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o1.tm	Method	TBLASTX:Maize
Start	5728	End	6326

GI	none	Score	260
Exons	5728..5955, 5730..5969, 5733..6326, 5813..6187, 6048..6311		

Seq. No.	4913	Seq. ID	OJ990502_22.9A14.C27
Gene No.	10254	Strand	+
Start	2033	End	6551
Name	OJ990502_22.9A14.C27.o6.tw	Method	TBLASTX:Wheat
Start	6173	End	6506
GI	none	Score	319
Exons	6173..6442, 6174..6506, 6177..6485		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10255	Strand	+
Start	13	End	11282
Name	OJ990502_22.9A14.C28.o1.gs	Method	GENSCAN
Start	13	End	2724
GI	none	Score	.72
Exons	13..140, 967..1071, 1484..1592, 1839..2078, 2171..2312, 2639..2724		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10255	Strand	+
Start	13	End	11282
Name	OJ990502_22.9A14.C28.o3.np	Method	AAT/NAP
Start	234	End	7242
GI	3641252	Score	223
Exons	234..263, 4946..5159, 5193..5428, 5793..6102, 7201..7242		
GI Descrip.	(AF053127) leucine-rich receptor-like protein kinase [Malus domestica]		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10255	Strand	+
Start	13	End	11282
Name	OJ990502_22.9A14.C28.o1.gp	Method	AAT/GAP
Start	1022	End	1087
GI	uC-osflcyp033a04b1	Score	107
Exons	1022..1087		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10255	Strand	+
Start	13	End	11282
Name	OJ990502_22.9A14.C28.o2.gp	Method	AAT/GAP
Start	3156	End	3537
GI	uC-osflcyp033a04b1	Score	679
Exons	3156..3537		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10255	Strand	+
Start	13	End	11282
Name	OJ990502_22.9A14.C28.o5.np	Method	AAT/NAP
Start	5824	End	10331
GI	4455319	Score	269
Exons	5824..5853, 7804..8143, 8192..9031, 10296..10331		

GI Descrip. (AL035528) putative disease resistance protein [Arabidopsis thaliana]

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10255	Strand	+
Start	13	End	11282
Name	OJ990502_22.9A14.C28.o4.np	Method	AAT/NAP
Start	7607	End	11282
GI	5107831	Score	727
Exons	7607..8999, 11172..11282		
GI Descrip.	(AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10256	Strand	-
Start	955	End	2899
Name	OJ990502_22.9A14.C28.o1.np	Method	AAT/NAP
Start	955	End	2899
GI	4680186	Score	193
Exons	955..1095, 2881..2899		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10257	Strand	-
Start	3089	End	9028
Name	OJ990502_22.9A14.C28.o2.np	Method	AAT/NAP
Start	3089	End	8138
GI	4680186	Score	359
Exons	3089..3289, 4128..4184, 8032..8138		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10257	Strand	-
Start	3089	End	9028
Name	OJ990502_22.9A14.C28.o2.tc	Method	TBLASTX:Cress
Start	5212	End	8620
GI	none	Score	160
Exons	5212..5355, 5786..5854, 5854..5970, 5986..6096, 8116..8364, 8345..8590, 8357..8458, 8357..8506, 8360..8434, 8444..8620, 8458..8613		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10257	Strand	-
Start	3089	End	9028
Name	OJ990502_22.9A14.C28.o1.tc	Method	TBLASTX:Cress
Start	7685	End	8995
GI	none	Score	54
Exons	7685..7738, 7750..8055, 7848..8006, 8633..8788, 8839..8874, 8891..8995		

Seq. No.	4914	Seq. ID	OJ990502_22.9A14.C28
Gene No.	10257	Strand	-
Start	3089	End	9028
Name	OJ990502_22.9A14.C28.o1.ts	Method	TBLASTX:Soybean
Start	7822	End	9028

GI	none	Score	74
Exons	7822..7992, 7834..8214, 8906..9028		

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10258	Strand	+
Start	673	End	7708
Name	OJ990502_22.9A14.C29.o1.gs	Method	GENSCAN
Start	673	End	7680
GI	none	Score	.77
Exons	673..806, 1809..1941, 1972..2319, 2341..2494, 2530..2591, 3211..3266, 4387..4474, 4559..6953, 7292..7680		

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10258	Strand	+
Start	673	End	7708
Name	OJ990502_22.9A14.C29.o1.np	Method	AAT/NAP
Start	4328	End	7708
GI	5107831	Score	1910
Exons	4328..6456, 6490..6953, 7292..7708		
GI Descrip.	(AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]		

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10259	Strand	+
Start	9876	End	10249
Name	OJ990502_22.9A14.C29.o2.gs	Method	GENSCAN
Start	9876	End	10249
GI	none	Score	.85
Exons	9876..9954, 10071..10249		

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10260	Strand	-
Start	11027	End	15413
Name	OJ990502_22.9A14.C29.o1.tc	Method	TBLASTX:Cress
Start	4484	End	15212
GI	none	Score	41
Exons	4484..4525, 4535..4771, 4538..4744, 4538..4738, 4544..4738, 4565..4753, 4565..4729, 4568..4750, 4580..4747, 4598..4750, 4598..4738, 4607..4813, 4673..4882, 4757..4876, 4763..4876, 4766..4930, 4880..5167, 4925..5167, 4928..5044, 4937..5098, 4937..5167, 4937..5098, 4943..5680, 4943..5188, 4943..5239, 4943..5191, 5132..5248, 5177..5536, 5192..5680, 5192..5464, 5192..5680, 5200..5241, 5200..5397, 5201..5650, 5218..5460, 5242..5589, 5297..5680, 5299..5601, 5306..5608, 5327..5515, 5378..5683, 5447..5680, 5552..5689, 5585..5677, 5729..5881, 5774..5872, 5774..5881, 5777..6013, 5777..5962, 5777..5947, 5782..6012, 5785..5955, 5795..5947, 5812..5955, 5945..6019, 5966..6139, 5966..6019, 5966..6091, 5975..6079, 5981..6022, 6032..6082, 6035..6085, 6329..6448, 6551..6706, 6551..6694, 6718..6879, 6719..6901, 6934..6966, 7290..7385, 7291..7386, 7483..7596, 13864..14022, 13894..14001, 13894..13998, 13900..13974, 13933..13977, 13996..14064, 14011..14070, 14068..14346, 14071..14103, 14080..14352, 14098..14355, 14098..14340, 14098..14340, 14098..14322, 14098..14163, 14122..14355, 14134..14355, 14159..14359, 14340..14570,		

14343..14555, 14346..14441, 14350..14547, 14355..14804,
14355..14549, 14364..14555, 14499..14555, 14499..14567,
14508..14804, 14559..14804, 14568..14804, 14568..14804,
14580..14867, 14580..14804, 14721..14798, 14817..14981,
14859..14990, 14865..15074, 14871..14990, 14871..14984,
14871..14981, 14880..14990, 14976..15212, 14994..15164,
14997..15200, 15000..15164, 15003..15137, 15009..15170,
15009..15164, 15018..15164, 15018..15146, 15018..15164,
15021..15140

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10260	Strand	-
Start	11027	End	15413
Name	OJ990502_22.9A14.C29.o1.ts	Method	TBLASTX:Soybean
Start	4535	End	15212
GI	none	Score	90

Exons 4535..4738, 4547..4666, 4568..4753, 4580..4738, 4601..4738,
4781..4876, 4922..5614, 4942..5073, 5137..5457, 5203..5259,
5297..5674, 5299..5535, 5333..5680, 5384..5689, 5485..5670,
5753..6031, 5753..5953, 5804..5962, 14095..14361, 14101..14340,
14134..14355, 14284..14325, 14328..14447, 14352..14519,
14358..14825, 14359..14688, 14499..14558, 14580..14804,
14934..14990, 14994..15164, 14997..15164, 15000..15161,
15009..15212, 15018..15149

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10260	Strand	-
Start	11027	End	15413
Name	OJ990502_22.9A14.C29.o1.tm	Method	TBLASTX:Maize
Start	4607	End	15164
GI	none	Score	98

Exons 4607..4747, 4994..5173, 5117..5167, 5177..5602, 5203..5607,
5209..5604, 5297..5677, 5333..5695, 5744..5881, 5753..5956,
5774..5881, 5945..6031, 6032..6100, 13882..14007, 13900..13998,
14098..14343, 14098..14328, 14141..14359, 14141..14341,
14143..14355, 14329..14571, 14355..14555, 14355..14570,
14356..14460, 14559..14672, 14562..14804, 14569..14685,
14580..14630, 14871..14969, 14912..14983, 14997..15164,
15000..15140

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10260	Strand	-
Start	11027	End	15413
Name	OJ990502_22.9A14.C29.o2.tm	Method	TBLASTX:Maize
Start	6281	End	7362
GI	none	Score	107

Exons 6281..6433, 6301..6429, 6542..6697, 6568..6672, 6707..6937,
6712..6951, 7290..7361, 7291..7362

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10260	Strand	-
Start	11027	End	15413
Name	OJ990502_22.9A14.C29.o1.tw	Method	TBLASTX:Wheat
Start	6542	End	6856
GI	none	Score	152

Exons 6542..6697, 6542..6721, 6707..6856, 6712..6855

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10260	Strand	-
Start	11027	End	15413
Name	OJ990502_22.9A14.C29.o2.ts	Method	TBLASTX:Soybean
Start	6551	End	6954
GI	none	Score	158
Exons	6551..6703, 6572..6688, 6719..6937, 6721..6954		

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10260	Strand	-
Start	11027	End	15413
Name	OJ990502_22.9A14.C29.o3.gs	Method	GENSCAN
Start	11027	End	15413
GI	none	Score	.55
Exons	11027..11090, 12433..12595, 13830..14381, 14426..15413		

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10260	Strand	-
Start	11027	End	15413
Name	OJ990502_22.9A14.C29.o2.np	Method	AAT/NAP
Start	11262	End	15398
GI	5107831	Score	938
Exons	11262..11281, 13845..15398		
GI Descrip.	(AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]		

Seq. No.	4915	Seq. ID	OJ990502_22.9A14.C29
Gene No.	10260	Strand	-
Start	11027	End	15413
Name	OJ990502_22.9A14.C29.o1.gp	Method	AAT/GAP
Start	14420	End	15353
GI	25162_1.R1084	Score	1740
Exons	14420..15353		
GI Descrip.	'5107831/gb|AAD40144.1|AF149413_25 3.0e-47 (AF149413) contains similarity to protein kinase domains (Pfam F00069, Score=162.6, E=6.8e-45, N=1) and leucien rich repeats (Pfam PF00560, Score=210.7, E=2.2e-59, N=10) [Arabidopsis thaliana]'		

Seq. No.	4916	Seq. ID	OJ990502_22.9A14.C30
Gene No.	10261	Strand	-
Start	969	End	1118
Name	OJ990502_22.9A14.C30.o1.gs	Method	GENSCAN
Start	969	End	1118
GI	none	Score	.74
Exons	969..1118		

Seq. No.	4917	Seq. ID	OJ990502_28.9A15.C1
Gene No.	10262	Strand	+
Start	1	End	802
Name	OJ990502_28.9A15.C1.o1.np	Method	AAT/NAP
Start	1	End	802
GI	5091513	Score	971
Exons	1..802		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	4917	Seq. ID	OJ990502_28.9A15.C1
Gene No.	10262	Strand	+
Start	1	End	802
Name	OJ990502_28.9A15.C1.o1.gs	Method	GENSCAN
Start	81	End	748
GI	none	Score	.69
Exons	81..748		

Seq. No.	4918	Seq. ID	OJ990502_28.9A15.C2
Gene No.	10263	Strand	-
Start	3212	End	3292
Name	OJ990502_28.9A15.C2.o1.gs	Method	GENSCAN
Start	3212	End	3292
GI	none	Score	.42
Exons	3212..3292		

Seq. No.	4919	Seq. ID	OJ990502_28.9A15.C3
Gene No.	10264	Strand	-
Start	19	End	1209
Name	OJ990502_28.9A15.C3.o3.tw	Method	TBLASTX:Wheat
Start	14	End	183
GI	none	Score	73
Exons	14..79, 19..183, 23..160		

Seq. No.	4919	Seq. ID	OJ990502_28.9A15.C3
Gene No.	10264	Strand	-
Start	19	End	1209
Name	OJ990502_28.9A15.C3.o1.tm	Method	TBLASTX:Maize
Start	17	End	1179
GI	none	Score	100
Exons	17..82, 19..183, 23..91, 55..105, 217..309, 221..313, 395..583, 403..585, 721..858, 731..859, 802..864, 989..1159, 994..1179		

Seq. No.	4919	Seq. ID	OJ990502_28.9A15.C3
Gene No.	10264	Strand	-
Start	19	End	1209
Name	OJ990502_28.9A15.C3.o1.ts	Method	TBLASTX:Soybean
Start	19	End	1179
GI	none	Score	45
Exons	19..183, 217..309, 233..313, 395..583, 403..585, 710..859, 721..858, 779..859, 989..1177, 994..1179		

Seq. No.	4919	Seq. ID	OJ990502_28.9A15.C3
Gene No.	10264	Strand	-
Start	19	End	1209
Name	OJ990502_28.9A15.C3.o1.gs	Method	GENSCAN
Start	19	End	1146
GI	none	Score	.92
Exons	19..312, 403..585, 724..894, 994..1146		

Seq. No.	4919	Seq. ID	OJ990502_28.9A15.C3
Gene No.	10264	Strand	-
Start	19	End	1209
Name	OJ990502_28.9A15.C3.o1.tc	Method	TBLASTX:Cress
Start	19	End	1179
GI	none	Score	47
Exons	19..183, 217..309, 227..313, 395..583, 403..585, 710..859,		

721..858, 994..1179, 998..1159

Seq. No.	4919	Seq. ID	OJ990502_28.9A15.C3
Gene No.	10264	Strand	-
Start	19	End	1209
Name	OJ990502_28.9A15.C3.o1.np	Method	AAT/NAP
Start	22	End	1209
GI	1076511	Score	884
Exons	22..312, 403..585, 724..894, 994..1209		
GI Descrip.	H+-transporting ATPase (EC 3.6.1.35) - kidney bean gi|758250|emb|CAA59799| (X85804) H(+)-transporting ATPase [Phaseolus vulgaris]		

Seq. No.	4919	Seq. ID	OJ990502_28.9A15.C3
Gene No.	10264	Strand	-
Start	19	End	1209
Name	OJ990502_28.9A15.C3.o1.tw	Method	TBLASTX:Wheat
Start	205	End	585
GI	none	Score	63
Exons	205..309, 221..313, 395..583, 403..585		

Seq. No.	4919	Seq. ID	OJ990502_28.9A15.C3
Gene No.	10264	Strand	-
Start	19	End	1209
Name	OJ990502_28.9A15.C3.o2.tw	Method	TBLASTX:Wheat
Start	342	End	1179
GI	none	Score	147
Exons	342..392, 710..862, 721..858, 989..1159, 994..1179, 1090..1161		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10265	Strand	+
Start	2304	End	5233
Name	OJ990502_28.9A15.C4.o1.gs	Method	GENSCAN
Start	2304	End	5233
GI	none	Score	.48
Exons	2304..2352, 2576..2670, 2736..2755, 3019..3841, 4114..4178, 5188..5233		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10266	Strand	-
Start	5339	End	5627
Name	OJ990502_28.9A15.C4.o1.gp	Method	AAT/GAP
Start	5339	End	5627
GI	426253	Score	522
Exons	5339..5627		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o1.np	Method	AAT/NAP
Start	6392	End	10189
GI	6630696	Score	6552
Exons	6392..10189		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o2.tw	Method	TBLASTX:Wheat
Start	6528	End	7003
GI	none	Score	401
Exons	6528..6914, 6530..6913, 6903..6998, 6929..7003, 6930..6998, 6943..7002		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o4.ts	Method	TBLASTX:Soybean
Start	6656	End	6997
GI	none	Score	93
Exons	6656..6862, 6735..6860, 6884..6997, 6894..6962		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o2.tm	Method	TBLASTX:Maize
Start	6860	End	7231
GI	none	Score	315
Exons	6860..7231, 6861..7208		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o3.ts	Method	TBLASTX:Soybean
Start	7007	End	7358
GI	none	Score	75
Exons	7007..7189, 7010..7198, 7011..7199, 7194..7358, 7199..7357		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o3.tw	Method	TBLASTX:Wheat
Start	7211	End	7756
GI	none	Score	52
Exons	7211..7417, 7412..7756, 7541..7603, 7575..7700		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o3.tm	Method	TBLASTX:Maize
Start	7292	End	7757
GI	none	Score	61
Exons	7292..7756, 7395..7505, 7541..7621, 7626..7757		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o1.ts	Method	TBLASTX:Soybean
Start	7427	End	7891
GI	5509260	Score	107
Exons	7427..7891, 7635..7796		
GI Descrip.	-		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o1.tc	Method	TBLASTX:Cress
Start	7538	End	7798
GI	none	Score	110
Exons	7538..7798, 7626..7796		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o1.tw	Method	TBLASTX:Wheat
Start	7811	End	8558
GI	none	Score	120
Exons	7811..7993, 7811..8551, 7815..8000, 8061..8558, 8151..8558		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o2.ts	Method	TBLASTX:Soybean
Start	8216	End	8614
GI	none	Score	111
Exons	8216..8389, 8393..8614, 8397..8612		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o4.tm	Method	TBLASTX:Maize
Start	8402	End	8866
GI	none	Score	82
Exons	8402..8866, 8409..8627		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o5.tw	Method	TBLASTX:Wheat
Start	8559	End	8759
GI	none	Score	230
Exons	8559..8759, 8559..8756, 8561..8758		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o5.ts	Method	TBLASTX:Soybean
Start	8624	End	9004
GI	none	Score	80
Exons	8624..8872, 8855..9004		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o1.tm	Method	TBLASTX:Maize
Start	8978	End	9322
GI	none	Score	373
Exons	8978..9019, 9048..9320, 9048..9320, 9049..9321, 9050..9322		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o2.gp	Method	AAT/GAP
Start	9263	End	10153
GI	101595_1.R1084	Score	1443
Exons	9263..9337, 9453..10153		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o5.tm	Method	TBLASTX:Maize
Start	9843	End	10153
GI	none	Score	156
Exons	9843..10106, 9845..10153		

Seq. No.	4920	Seq. ID	OJ990502_28.9A15.C4
Gene No.	10267	Strand	-
Start	6392	End	10189
Name	OJ990502_28.9A15.C4.o4.tw	Method	TBLASTX:Wheat
Start	9904	End	10189
GI	none	Score	141
Exons	9904..10086, 9905..10189, 9924..10127		

Seq. No.	4921	Seq. ID	OJ990502_28.9A15.C5
Gene No.	10268	Strand	-
Start	1	End	192
Name	OJ990502_28.9A15.C5.o1.gp	Method	AAT/GAP
Start	1	End	192
GI	426253	Score	340
Exons	1..192		

Seq. No.	4922	Seq. ID	OJ990502_28.9A15.C6
Gene No.	10269	Strand	+
Start	2255	End	4780
Name	OJ990502_28.9A15.C6.o1.gs	Method	GENSCAN
Start	2255	End	4735
GI	none	Score	.42
Exons	2255..2419, 3765..3839, 4324..4484, 4595..4735		

Seq. No.	4922	Seq. ID	OJ990502_28.9A15.C6
Gene No.	10269	Strand	+
Start	2255	End	4780
Name	OJ990502_28.9A15.C6.o1.np	Method	AAT/NAP
Start	2279	End	4741
GI	2501555	Score	664
Exons	2279..2419, 3765..3839, 4187..4243, 4324..4484, 4595..4741		
GI Descrip.	POSSIBLE APOSPORY-ASSOCIATED PROTEIN C gi|549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]		

Seq. No.	4922	Seq. ID	OJ990502_28.9A15.C6
Gene No.	10269	Strand	+
Start	2255	End	4780
Name	OJ990502_28.9A15.C6.o1.gp	Method	AAT/GAP
Start	2313	End	4735

GI	75877_1.R1084	Score	962
Exons	2313..2419, 3765..3839, 4187..4243, 4324..4484, 4595..4735		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 1.0e-114 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		

Seq. No.	4922	Seq. ID	OJ990502_28.9A15.C6
Gene No.	10269	Strand	+
Start	2255	End	4780
Name	OJ990502_28.9A15.C6.o1.tm	Method	TBLASTX:Maize
Start	2344	End	4780
GI	none	Score	82
Exons	2344..2418, 2345..2422, 3759..3839, 3762..3839, 3763..3840, 3766..3840, 4185..4241, 4186..4242, 4187..4243, 4305..4484, 4321..4488, 4321..4488, 4323..4493, 4590..4742, 4590..4742, 4592..4780, 4636..4743		

Seq. No.	4922	Seq. ID	OJ990502_28.9A15.C6
Gene No.	10269	Strand	+
Start	2255	End	4780
Name	OJ990502_28.9A15.C6.o1.tc	Method	TBLASTX:Cress
Start	3759	End	4694
GI	none	Score	101
Exons	3759..3839, 3764..3838, 4186..4260, 4187..4264, 4320..4406, 4321..4407, 4399..4488, 4431..4490, 4590..4694, 4592..4672		

Seq. No.	4922	Seq. ID	OJ990502_28.9A15.C6
Gene No.	10269	Strand	+
Start	2255	End	4780
Name	OJ990502_28.9A15.C6.o1.tw	Method	TBLASTX:Wheat
Start	3762	End	4401
GI	none	Score	111
Exons	3762..3839, 3762..3839, 3763..3840, 3769..3840, 3794..3871, 4195..4242, 4196..4243, 4305..4397, 4321..4401, 4322..4396, 4323..4400		

Seq. No.	4922	Seq. ID	OJ990502_28.9A15.C6
Gene No.	10269	Strand	+
Start	2255	End	4780
Name	OJ990502_28.9A15.C6.o1.ts	Method	TBLASTX:Soybean
Start	4401	End	4780
GI	none	Score	104
Exons	4401..4493, 4405..4488, 4589..4780, 4590..4742		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10270	Strand	+
Start	126	End	6493
Name	OJ990502_28.9A15.C7.o1.gp	Method	AAT/GAP
Start	126	End	403
GI	75877_1.R1084	Score	337
Exons	126..233, 318..403		
GI Descrip.	'2501555/sp|Q40784|AAPC_PENCL 1.0e-114 POSSIBLE APOSPORY-ASSOCIATED PROTEIN C >gi_549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]'		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10270	Strand	+

Start	126	End	6493
Name	OJ990502_28.9A15.C7.o1.np	Method	AAT/NAP
Start	126	End	722
GI	2501555	Score	594
Exons	126..233, 318..417, 514..722		
GI Descrip.	POSSIBLE APOSPORY-ASSOCIATED PROTEIN C gi|549984 (U13148) possible apospory-associated protein [Pennisetum ciliare]		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10270	Strand	+
Start	126	End	6493
Name	OJ990502_28.9A15.C7.o1.gs	Method	GENSCAN
Start	159	End	5319
GI	none	Score	.81
Exons	159..233, 318..417, 514..633, 4439..4583, 4744..4767, 5035..5080, 5254..5319		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10270	Strand	+
Start	126	End	6493
Name	OJ990502_28.9A15.C7.o2.gp	Method	AAT/GAP
Start	509	End	2077
GI	48979_1.R1084	Score	1089
Exons	509..752, 1745..2077		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10270	Strand	+
Start	126	End	6493
Name	OJ990502_28.9A15.C7.o2.np	Method	AAT/NAP
Start	4684	End	6493
GI	4056479	Score	62
Exons	4684..5003, 5035..5084, 6468..6493		
GI Descrip.	(AC005896) unknown protein [Arabidopsis thaliana]		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10271	Strand	+
Start	17350	End	19352
Name	OJ990502_28.9A15.C7.o5.gs	Method	GENSCAN
Start	17350	End	19352
GI	none	Score	.55
Exons	17350..17414, 18167..18289, 18835..18922, 19350..19352		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10272	Strand	+
Start	23106	End	25158
Name	OJ990502_28.9A15.C7.o7.gs	Method	GENSCAN
Start	23106	End	24908
GI	none	Score	.6
Exons	23106..23156, 24371..24527, 24805..24908		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10272	Strand	+
Start	23106	End	25158
Name	OJ990502_28.9A15.C7.o4.np	Method	AAT/NAP
Start	24390	End	25158

GI	4680183	Score	187
Exons	24390..24453, 25062..25158		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10273	Strand	-
Start	6418	End	6687
Name	OJ990502_28.9A15.C7.o2.gs	Method	GENSCAN
Start	6418	End	6687
GI	none	Score	.77
Exons	6418..6687		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10274	Strand	-
Start	7543	End	14900
Name	OJ990502_28.9A15.C7.o3.gs	Method	GENSCAN
Start	7543	End	14900
GI	none	Score	.56
Exons	7543..7680, 8125..8271, 8408..8467, 8648..8756, 8772..9370, 9747..9808, 11073..11115, 11322..11495, 14198..14285, 14851..14900		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10274	Strand	-
Start	7543	End	14900
Name	OJ990502_28.9A15.C7.o3.np	Method	AAT/NAP
Start	7552	End	14186
GI	2911058	Score	217
Exons	7552..7680, 8125..8271, 8408..8456, 14150..14186		
GI Descrip.	(AL021961) putative protein [Arabidopsis thaliana]		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10275	Strand	-
Start	16761	End	17030
Name	OJ990502_28.9A15.C7.o4.gs	Method	GENSCAN
Start	16761	End	17030
GI	none	Score	.98
Exons	16761..17030		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10276	Strand	-
Start	19834	End	20510
Name	OJ990502_28.9A15.C7.o6.gs	Method	GENSCAN
Start	19834	End	20510
GI	none	Score	.85
Exons	19834..19874, 20423..20510		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o2.ts	Method	TBLASTX:Soybean
Start	109	End	778
GI	none	Score	70
Exons	109..231, 125..232, 126..254, 300..416, 320..415, 346..435, 513..722, 519..749, 521..778, 581..748, 736..777		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7

Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o2.tm	Method	TBLASTX:Maize
Start	146	End	738
GI	none	Score	103
Exons	146..232, 149..235, 150..251, 281..415, 300..416, 303..416, 316..420, 331..435, 516..728, 518..733, 518..736, 519..737, 535..738		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o1.tc	Method	TBLASTX:Cress
Start	306	End	722
GI	none	Score	124
Exons	306..413, 315..416, 320..415, 516..722, 519..719, 521..721		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o9.tm	Method	TBLASTX:Maize
Start	7537	End	8459
GI	none	Score	71
Exons	7537..7635, 7564..7707, 7565..7681, 8123..8272, 8124..8276, 8125..8295, 8125..8295, 8384..8458, 8412..8459		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o9.tw	Method	TBLASTX:Wheat
Start	7552	End	8184
GI	none	Score	138
Exons	7552..7707, 7553..7681, 7563..7682, 8125..8184		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o8.gs	Method	GENSCAN
Start	26011	End	39420
GI	none	Score	.45
Exons	26011..26166, 26202..26293, 26376..26544, 27088..28153, 28163..28816, 28848..30069, 30552..30849, 30879..30982, 33031..33212, 33337..33819, 33927..34220, 35029..36650, 36940..37000, 37378..38006, 38073..38207, 38643..38678, 38827..39098, 39192..39420		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o5.np	Method	AAT/NAP
Start	26953	End	38207
GI	4680179	Score	7177
Exons	26953..30286, 30532..30943, 37405..38207		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-

Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o7.tm	Method	TBLASTX:Maize
Start	26977	End	27189
GI	none	Score	202
Exons	26977..27189		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o6.tw	Method	TBLASTX:Wheat
Start	26998	End	27330
GI	none	Score	77
Exons	26998..27330, 27116..27238		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o1.tm	Method	TBLASTX:Maize
Start	27190	End	27771
GI	none	Score	239
Exons	27190..27618, 27191..27619, 27616..27771, 27623..27769		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o1.tw	Method	TBLASTX:Wheat
Start	27331	End	27957
GI	none	Score	353
Exons	27331..27957, 27332..27955		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o5.tm	Method	TBLASTX:Maize
Start	27826	End	28117
GI	none	Score	251
Exons	27826..28116, 27830..28117		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o3.ts	Method	TBLASTX:Soybean
Start	27916	End	28176
GI	none	Score	165
Exons	27916..28176, 27917..28171		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o2.tw	Method	TBLASTX:Wheat
Start	27964	End	28491
GI	none	Score	245
Exons	27964..28491, 27965..28219, 27979..28410		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420

Name	OJ990502_28.9A15.C7.o3.tm	Method	TBLASTX:Maize
Start	28531	End	28873
GI	none	Score	118
Exons	28531..28749, 28546..28743, 28568..28744, 28748..28873, 28749..28871		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o4.tw	Method	TBLASTX:Wheat
Start	28531	End	28945
GI	none	Score	151
Exons	28531..28749, 28546..28740, 28592..28747, 28747..28818, 28748..28945, 28752..28904		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o4.tm	Method	TBLASTX:Maize
Start	28910	End	29410
GI	none	Score	79
Exons	28910..29245, 28949..29158, 29231..29410		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o5.tw	Method	TBLASTX:Wheat
Start	28946	End	29248
GI	none	Score	216
Exons	28946..29248, 28947..29204, 29090..29248		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o1.ts	Method	TBLASTX:Soybean
Start	28961	End	29356
GI	none	Score	152
Exons	28961..29320, 28962..29210, 29090..29320, 29271..29324, 29324..29356, 29325..29354		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o3.tw	Method	TBLASTX:Wheat
Start	29297	End	29779
GI	none	Score	256
Exons	29297..29779, 29340..29702		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o6.tm	Method	TBLASTX:Maize
Start	29478	End	29767
GI	none	Score	161
Exons	29478..29669, 29480..29671, 29480..29767		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7

Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o8.tw	Method	TBLASTX:Wheat
Start	29954	End	30290
GI	none	Score	71
Exons	29954..30289, 30168..30290		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o3.gp	Method	AAT/GAP
Start	31013	End	31259
GI	3761181	Score	435
Exons	31013..31259		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o4.gp	Method	AAT/GAP
Start	37031	End	37277
GI	3761181	Score	434
Exons	37031..37277		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o8.tm	Method	TBLASTX:Maize
Start	37395	End	37700
GI	none	Score	95
Exons	37395..37700, 37395..37700		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o7.tw	Method	TBLASTX:Wheat
Start	37581	End	37944
GI	none	Score	94
Exons	37581..37940, 37582..37815, 37590..37910, 37840..37944		

Seq. No.	4923	Seq. ID	OJ990502_28.9A15.C7
Gene No.	10277	Strand	-
Start	26011	End	39420
Name	OJ990502_28.9A15.C7.o6.np	Method	AAT/NAP
Start	38467	End	39354
GI	5042448	Score	1293
Exons	38467..38753, 38784..39354		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	4924	Seq. ID	OJ990502_28.9A15.C8
Gene No.	10278	Strand	+
Start	360	End	813
Name	OJ990502_28.9A15.C8.o1.np	Method	AAT/NAP

Start	360	End	813
GI	6721560	Score	301
Exons	360..472, 525..813		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815085|dbj|BAA90371.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4924	Seq. ID	OJ990502_28.9A15.C8
Gene No.	10279	Strand	-
Start	313	End	812
Name	OJ990502_28.9A15.C8.o1.gs	Method	GENSCAN
Start	313	End	812
GI	none	Score	.62
Exons	313..510, 515..685, 721..812		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10280	Strand	+
Start	7715	End	13448
Name	OJ990502_28.9A15.C9.o2.gs	Method	GENSCAN
Start	7715	End	13448
GI	none	Score	.47
Exons	7715..8309, 8821..9114, 12941..13066, 13088..13283, 13373..13448		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10280	Strand	+
Start	7715	End	13448
Name	OJ990502_28.9A15.C9.o3.np	Method	AAT/NAP
Start	8868	End	9482
GI	6721559	Score	652
Exons	8868..9321, 9353..9482		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10281	Strand	+
Start	16108	End	18383
Name	OJ990502_28.9A15.C9.o3.gs	Method	GENSCAN
Start	16108	End	18383
GI	none	Score	.61
Exons	16108..16224, 17401..17430, 17551..17900, 18290..18383		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10282	Strand	+
Start	22821	End	25152
Name	OJ990502_28.9A15.C9.o4.gs	Method	GENSCAN
Start	22821	End	25152
GI	none	Score	.41
Exons	22821..22927, 22959..23044, 23504..23706, 23887..24166, 24199..24327, 24641..24712, 25054..25152		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o1.np	Method	AAT/NAP
Start	363	End	5835
GI	4680179	Score	5690

Exons	363..4718, 5727..5835		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o6.tw	Method	TBLASTX:Wheat
Start	408	End	741
GI	none	Score	121
Exons	408..740, 460..741		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o1.tm	Method	TBLASTX:Maize
Start	603	End	1188
GI	none	Score	104
Exons	603..1028, 604..801, 865..1029, 1024..1173, 1026..1187, 1033..1188		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o1.tw	Method	TBLASTX:Wheat
Start	741	End	1367
GI	none	Score	44
Exons	741..1367, 742..801, 862..1308, 1020..1364		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o3.tm	Method	TBLASTX:Maize
Start	1236	End	1527
GI	none	Score	78
Exons	1236..1526, 1239..1394, 1240..1527		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o2.ts	Method	TBLASTX:Soybean
Start	1326	End	1586
GI	none	Score	127
Exons	1326..1574, 1326..1586, 1327..1575		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o1.tc	Method	TBLASTX:Cress
Start	1350	End	1676
GI	none	Score	88
Exons	1350..1493, 1351..1491, 1494..1676		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o2.tw	Method	TBLASTX:Wheat
Start	1374	End	1913

GI	none	Score	303
Exons	1374..1913, 1378..1731		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o2.tm	Method	TBLASTX:Maize
Start	1941	End	2294
GI	none	Score	212
Exons	1941..2294, 1948..2289		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o3.tw	Method	TBLASTX:Wheat
Start	1941	End	2366
GI	none	Score	324
Exons	1941..2366, 1948..2364		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o3.ts	Method	TBLASTX:Soybean
Start	2112	End	2357
GI	none	Score	204
Exons	2112..2357		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o5.tm	Method	TBLASTX:Maize
Start	2301	End	2633
GI	none	Score	144
Exons	2301..2633, 2302..2580		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o5.tw	Method	TBLASTX:Wheat
Start	2367	End	2630
GI	none	Score	250
Exons	2367..2630, 2368..2628		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o1.ts	Method	TBLASTX:Soybean
Start	2382	End	2777
GI	none	Score	189
Exons	2382..2633, 2392..2625, 2688..2741, 2698..2739, 2745..2777, 2745..2777		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o4.tm	Method	TBLASTX:Maize
Start	2688	End	3135

GI	none	Score	113
Exons	2688..3131, 2698..3135		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o4.tw	Method	TBLASTX:Wheat
Start	2718	End	3201
GI	none	Score	234
Exons	2718..3200, 2721..3197, 2761..3201		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o4.ts	Method	TBLASTX:Soybean
Start	2850	End	3164
GI	none	Score	198
Exons	2850..3164		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o7.tm	Method	TBLASTX:Maize
Start	3136	End	3329
GI	none	Score	156
Exons	3136..3291, 3138..3329		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o8.tw	Method	TBLASTX:Wheat
Start	3333	End	3686
GI	none	Score	93
Exons	3333..3686, 3370..3510		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o7.tw	Method	TBLASTX:Wheat
Start	4020	End	4371
GI	none	Score	49
Exons	4020..4370, 4154..4222, 4198..4371		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o6.tm	Method	TBLASTX:Maize
Start	4065	End	4370
GI	none	Score	247
Exons	4065..4370		

Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o9.tw	Method	TBLASTX:Wheat
Start	4422	End	4620
GI	none	Score	136

Exons	4422..4619, 4423..4620		
Seq. No.	4925	Seq. ID	OJ990502_28.9A15.C9
Gene No.	10283	Strand	-
Start	363	End	5835
Name	OJ990502_28.9A15.C9.o2.np	Method	AAT/NAP
Start	5049	End	5562
GI	4512231	Score	770
Exons	5049..5562		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10284	Strand	+
Start	1646	End	2064
Name	OJ990502_28.9A15.C10.o1.gp	Method	AAT/GAP
Start	1646	End	2064
GI	none	Score	790
Exons	1646..2064		
Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o1.gs	Method	GENSCAN
Start	767	End	9157
GI	none	Score	.77
Exons	767..796, 1173..1249, 1770..1872, 2287..2495, 2591..2888, 3146..3211, 3329..3454, 3543..3683, 5115..5243, 5270..5479, 5709..5777, 6094..6249, 6516..6616, 6701..6851, 7649..7772, 8288..8420, 8509..8686, 8839..9012, 9089..9157		
Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o1.tc	Method	TBLASTX:Cress
Start	2080	End	9158
GI	none	Score	111
Exons	2080..2196, 2084..2200, 2287..2379, 2288..2344, 2368..2490, 2659..2784, 2662..2829, 2688..2852, 2778..2888, 2868..2891, 3146..3211, 3147..3233, 3348..3455, 3350..3484, 3350..3478, 3534..3686, 3534..3650, 3542..3688, 3544..3699, 3903..4097, 3913..4050, 4148..4255, 5115..5210, 5116..5241, 5327..5461, 5340..5480, 5345..5482, 5361..5480, 5559..5615, 5572..5619, 5600..5629, 5709..5783, 5710..5778, 6092..6250, 6094..6252, 6169..6252, 6508..6621, 6511..6594, 6513..6617, 6702..6728, 6703..6729, 6723..6854, 6766..6831, 7973..8125, 8004..8132, 8015..8185, 8018..8188, 8327..8422, 8339..8419, 8510..8686, 8511..8687, 8517..8687, 8761..8829, 8827..9015, 8830..9012, 9089..9157, 9096..9158		
Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o1.tw	Method	TBLASTX:Wheat
Start	2080	End	2364
GI	none	Score	132
Exons	2080..2196, 2081..2188, 2082..2195, 2092..2220, 2263..2364, 2281..2349		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o2.tm	Method	TBLASTX:Maize
Start	2081	End	2494
GI	none	Score	153
Exons	2081..2194, 2081..2194, 2083..2196, 2122..2196, 2263..2493, 2281..2445, 2288..2494		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o1.np	Method	AAT/NAP
Start	2083	End	9478
GI	3093294	Score	2668
Exons	2083..2193, 2287..2498, 2538..2888, 3146..3211, 3329..3454, 3543..3694, 3902..4049, 5115..5243, 5342..5479, 5558..5626, 5709..5777, 6094..6249, 6516..6616, 6701..6851, 8018..8180, 8288..8420, 8509..8686, 8770..9012, 9089..9157, 9434..9478		
GI Descrip.	(Y12782) putative villin [Arabidopsis thaliana] gi|5730126|emb|CAB52460.1| (AL109796) putative villin [Arabidopsis thaliana]		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o3.ts	Method	TBLASTX:Soybean
Start	2377	End	2888
GI	none	Score	205
Exons	2377..2475, 2590..2826, 2592..2843, 2605..2826, 2856..2888		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o1.tm	Method	TBLASTX:Maize
Start	2569	End	8176
GI	none	Score	346
Exons	2569..2886, 2604..2888, 2605..2886, 2667..2891, 3123..3254, 3146..3211, 3147..3233, 3326..3457, 3330..3455, 3331..3507, 3519..3686, 3528..3686, 3542..3706, 3897..4025, 3898..4050, 3902..4051, 5115..5210, 5116..5241, 5128..5241, 5327..5377, 5334..5375, 8018..8176		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o2.gp	Method	AAT/GAP
Start	2605	End	3812
GI	26830_1.R1084	Score	1179
Exons	2605..2888, 3146..3211, 3329..3454, 3543..3683, 3776..3812		
GI Descrip.	'3093294/emb|CAA73320| 1.0e-71 (Y12782) putative villin [Arabidopsis thaliana] >gi_5730126_emb_CAB52460.1_ (AL109796) putative villin [Arabidopsis thaliana]'		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-

Start	767	End	9478
Name	OJ990502_28.9A15.C10.o1.ts	Method	TBLASTX:Soybean
Start	3146	End	8680
GI	none	Score	58
Exons	3146..3211, 3147..3212, 3332..3469, 3333..3455, 3338..3457, 3542..3685, 3543..3686, 3544..3681, 3897..3959, 8018..8179, 8564..8680		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o4.ts	Method	TBLASTX:Soybean
Start	3960	End	6225
GI	none	Score	103
Exons	3960..4097, 3961..4050, 5115..5210, 5119..5241, 5128..5238, 5327..5461, 5348..5482, 5355..5480, 5525..5656, 5542..5619, 5709..5783, 5710..5778, 6056..6223, 6088..6225, 6094..6225		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o3.gp	Method	AAT/GAP
Start	6082	End	8790
GI	44606_1.R1084	Score	1650
Exons	6082..6249, 6516..6616, 6701..6851, 8018..8180, 8288..8420, 8509..8686, 8770..8790		
GI Descrip.	'3093294/emb|CAA73320| 1.0e-113 (Y12782) putative villin [Arabidopsis thaliana] >gi_5730126_emb_CAB52460.1_ (AL109796) putative villin [Arabidopsis thaliana]'		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o4.tm	Method	TBLASTX:Maize
Start	6511	End	6865
GI	none	Score	129
Exons	6511..6609, 6513..6617, 6513..6617, 6515..6622, 6726..6854, 6727..6852, 6728..6865		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o3.tm	Method	TBLASTX:Maize
Start	8579	End	9127
GI	none	Score	96
Exons	8579..8686, 8580..8687, 8761..8832, 8824..9012, 8830..9015, 9086..9127		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10
Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o2.ts	Method	TBLASTX:Soybean
Start	8771	End	9015
GI	none	Score	141
Exons	8771..8809, 8773..8829, 8824..9015, 8824..9012, 8865..9014		

Seq. No.	4926	Seq. ID	OJ990502_28.9A15.C10

Gene No.	10285	Strand	-
Start	767	End	9478
Name	OJ990502_28.9A15.C10.o4.gp	Method	AAT/GAP
Start	8952	End	9189
GI	uC-osflm202101f08b1	Score	221
Exons	8952..9012, 9089..9189		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4927	Seq. ID	OJ990502_28.9A15.C11
Gene No.	10286	Strand	+
Start	1	End	13220
Name	OJ990502_28.9A15.C11.o2.np	Method	AAT/NAP
Start	1	End	10242
GI	6006372	Score	109
Exons	1..69, 6329..6434, 9551..9640, 10112..10242		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	4927	Seq. ID	OJ990502_28.9A15.C11
Gene No.	10286	Strand	+
Start	1	End	13220
Name	OJ990502_28.9A15.C11.o2.gs	Method	GENSCAN
Start	6528	End	13220
GI	none	Score	.52
Exons	6528..6619, 8464..8636, 8669..9023, 9321..9400, 10016..10263, 10776..10978, 11439..11573, 11672..11798, 12580..12717, 12802..12915, 13131..13220		

Seq. No.	4927	Seq. ID	OJ990502_28.9A15.C11
Gene No.	10286	Strand	+
Start	1	End	13220
Name	OJ990502_28.9A15.C11.o4.np	Method	AAT/NAP
Start	10578	End	12909
GI	3894189	Score	470
Exons	10578..10978, 11672..11798, 12580..12717, 12802..12909		
GI Descrip.	(AC005662) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	4927	Seq. ID	OJ990502_28.9A15.C11
Gene No.	10287	Strand	-
Start	244	End	2101
Name	OJ990502_28.9A15.C11.o1.np	Method	AAT/NAP
Start	244	End	961
GI	4938492	Score	164
Exons	244..349, 906..961		
GI Descrip.	(AL078464) putative villin, fragment [Arabidopsis thaliana]		

Seq. No.	4927	Seq. ID	OJ990502_28.9A15.C11
Gene No.	10287	Strand	-
Start	244	End	2101
Name	OJ990502_28.9A15.C11.o1.gp	Method	AAT/GAP
Start	250	End	2101
GI	uC-osflm202101f08b1	Score	657
Exons	250..349, 906..1018, 1955..2101		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4927	Seq. ID	OJ990502_28.9A15.C11

Gene No.	10287	Strand	-
Start	244	End	2101
Name	OJ990502_28.9A15.C11.o1.gs	Method	GENSCAN
Start	250	End	1873
GI	none	Score	.92
Exons	250..393, 1790..1873		

Seq. No.	4927	Seq. ID	OJ990502_28.9A15.C11
Gene No.	10288	Strand	-
Start	10244	End	10342
Name	OJ990502_28.9A15.C11.o3.np	Method	AAT/NAP
Start	10244	End	10342
GI	5777617	Score	71
Exons	10244..10342		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	4927	Seq. ID	OJ990502_28.9A15.C11
Gene No.	10289	Strand	
Start	11431	End	13075
Name	OJ990502_28.9A15.C11.o1.ts	Method	TBLASTX:Soybean
Start	11431	End	12900
GI	none	Score	157
Exons	11431..11574, 11718..11798, 12577..12711, 12582..12731, 12583..12708, 12790..12900, 12802..12879, 12837..12899		

Seq. No.	4927	Seq. ID	OJ990502_28.9A15.C11
Gene No.	10289	Strand	
Start	11431	End	13075
Name	OJ990502_28.9A15.C11.o1.tm	Method	TBLASTX:Maize
Start	11518	End	13075
GI	none	Score	89
Exons	11518..11601, 11520..11585, 11670..11798, 11671..11799, 11672..11803, 11674..11799, 12575..12706, 12577..12717, 12579..12731, 12580..12708, 12790..12909, 12797..12913, 12802..12906, 12825..12914, 12837..12908, 13028..13075		

Seq. No.	4928	Seq. ID	OJ990502_28.9A15.C12
Gene No.	10290	Strand	-
Start	1	End	633
Name	OJ990502_28.9A15.C12.o1.np	Method	AAT/NAP
Start	1	End	633
GI	2498930	Score	725
Exons	1..406, 574..633		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	4929	Seq. ID	OJ990722_14.9A14.C3
Gene No.	10291	Strand	-
Start	444	End	631
Name	OJ990722_14.9A14.C3.o1.np	Method	AAT/NAP
Start	444	End	631
GI	4680186	Score	138
Exons	444..631		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4930	Seq. ID	OJ990722_14.9A14.C4
Gene No.	10292	Strand	+

Start	1	End	717
Name	OJ990722_14.9A14.C4.o1.np	Method	AAT/NAP
Start	1	End	717
GI	4680179	Score	1042
Exons	1..717		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4930	Seq. ID	OJ990722_14.9A14.C4
Gene No.	10292	Strand	+
Start	1	End	717
Name	OJ990722_14.9A14.C4.o1.gs	Method	GENSCAN
Start	91	End	618
GI	none	Score	.58
Exons	91..192, 256..618		

Seq. No.	4930	Seq. ID	OJ990722_14.9A14.C4
Gene No.	10292	Strand	+
Start	1	End	717
Name	OJ990722_14.9A14.C4.o1.tw	Method	TBLASTX:Wheat
Start	117	End	603
GI	none	Score	52
Exons	117..560, 121..171, 226..603		

Seq. No.	4930	Seq. ID	OJ990722_14.9A14.C4
Gene No.	10292	Strand	+
Start	1	End	717
Name	OJ990722_14.9A14.C4.o1.tm	Method	TBLASTX:Maize
Start	226	End	657
GI	none	Score	360
Exons	226..657, 456..650		

Seq. No.	4930	Seq. ID	OJ990722_14.9A14.C4
Gene No.	10292	Strand	+
Start	1	End	717
Name	OJ990722_14.9A14.C4.o1.ts	Method	TBLASTX:Soybean
Start	544	End	717
GI	none	Score	57
Exons	544..576, 546..575, 580..717,	580..717	

Seq. No.	4931	Seq. ID	OJ990722_14.9A14.C7
Gene No.	10293	Strand	+
Start	157	End	1604
Name	OJ990722_14.9A14.C7.o1.np	Method	AAT/NAP
Start	157	End	475
GI	4680185	Score	226
Exons	157..475		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4931	Seq. ID	OJ990722_14.9A14.C7
Gene No.	10293	Strand	+
Start	157	End	1604
Name	OJ990722_14.9A14.C7.o1.gs	Method	GENSCAN
Start	177	End	1604
GI	none	Score	.51
Exons	177..472, 1567..1604		

Seq. No.	4931	Seq. ID	OJ990722_14.9A14.C7

Gene No.	10294	Strand	-
Start	2540	End	4794
Name	OJ990722_14.9A14.C7.o2.gs	Method	GENSCAN
Start	2540	End	4794
GI	none	Score	.49
Exons	2540..3046, 3071..3193, 3520..3958, 4018..4266, 4346..4469, 4709..4794		

Seq. No.	4932	Seq. ID	OJ990722_14.9A14.C9
Gene No.	10295	Strand	-
Start	315	End	1528
Name	OJ990722_14.9A14.C9.o1.gs	Method	GENSCAN
Start	315	End	1528
GI	none	Score	.52
Exons	315..475, 1014..1136, 1285..1528		

Seq. No.	4933	Seq. ID	OJ990722_14.9A14.C10
Gene No.	10296	Strand	+
Start	5	End	1868
Name	OJ990722_14.9A14.C10.o1.gs	Method	GENSCAN
Start	5	End	1868
GI	none	Score	.7
Exons	5..167, 1840..1868		

Seq. No.	4933	Seq. ID	OJ990722_14.9A14.C10
Gene No.	10296	Strand	+
Start	5	End	1868
Name	OJ990722_14.9A14.C10.o1.gp	Method	AAT/GAP
Start	1015	End	1400
GI	uC-osflcyp033a04b1	Score	633
Exons	1015..1400		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4933	Seq. ID	OJ990722_14.9A14.C10
Gene No.	10297	Strand	+
Start	2653	End	4087
Name	OJ990722_14.9A14.C10.o2.np	Method	AAT/NAP
Start	2632	End	4087
GI	4680179	Score	586
Exons	2632..3489, 3658..4087		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4933	Seq. ID	OJ990722_14.9A14.C10
Gene No.	10297	Strand	+
Start	2653	End	4087
Name	OJ990722_14.9A14.C10.o2.gs	Method	GENSCAN
Start	2653	End	3990
GI	none	Score	.79
Exons	2653..3990		

Seq. No.	4933	Seq. ID	OJ990722_14.9A14.C10
Gene No.	10298	Strand	-
Start	1	End	4087
Name	OJ990722_14.9A14.C10.o1.np	Method	AAT/NAP
Start	1	End	4087
GI	5852180	Score	188

Exons	1..89, 141..258, 1249..1296, 4062..4087		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	4933	Seq. ID	OJ990722_14.9A14.C10
Gene No.	10298	Strand	-
Start	1	End	4087
Name	OJ990722_14.9A14.C10.o1.tw	Method	TBLASTX:Wheat
Start	2875	End	3234
GI	none	Score	281
Exons	2875..3234, 2877..3230		
Seq. No.	4933	Seq. ID	OJ990722_14.9A14.C10
Gene No.	10298	Strand	-
Start	1	End	4087
Name	OJ990722_14.9A14.C10.o1.tm	Method	TBLASTX:Maize
Start	3115	End	3414
GI	none	Score	227
Exons	3115..3414, 3129..3218		
Seq. No.	4934	Seq. ID	OJ990722_14.9A14.C11
Gene No.	10299	Strand	-
Start	268	End	756
Name	OJ990722_14.9A14.C11.o1.gp	Method	AAT/GAP
Start	268	End	756
GI	576771	Score	749
Exons	268..476, 503..756		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		
Seq. No.	4935	Seq. ID	OJ990722_14.9A14.C12
Gene No.	10300	Strand	-
Start	297	End	586
Name	OJ990722_14.9A14.C12.o1.np	Method	AAT/NAP
Start	297	End	586
GI	6907089	Score	287
Exons	297..586		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	4936	Seq. ID	OJ990722_14.9A14.C13
Gene No.	10301	Strand	+
Start	1	End	1694
Name	OJ990722_14.9A14.C13.o1.np	Method	AAT/NAP
Start	1	End	1694
GI	4680179	Score	2505
Exons	1..1694		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4936	Seq. ID	OJ990722_14.9A14.C13
Gene No.	10301	Strand	+
Start	1	End	1694
Name	OJ990722_14.9A14.C13.o3.tw	Method	TBLASTX:Wheat
Start	32	End	457
GI	none	Score	556
Exons	32..457, 34..450, 107..457		
Seq. No.	4936	Seq. ID	OJ990722_14.9A14.C13
Gene No.	10301	Strand	+

Start	1	End	1694
Name	OJ990722_14.9A14.C13.o2.tm	Method	TBLASTX:Maize
Start	104	End	457
GI	none	Score	466
Exons	104..457, 109..450		

Seq. No.	4936	Seq. ID	OJ990722_14.9A14.C13
Gene No.	10301	Strand	+
Start	1	End	1694
Name	OJ990722_14.9A14.C13.o1.gs	Method	GENSCAN
Start	158	End	1687
GI	none	Score	.9
Exons	158..1687		

Seq. No.	4936	Seq. ID	OJ990722_14.9A14.C13
Gene No.	10301	Strand	+
Start	1	End	1694
Name	OJ990722_14.9A14.C13.o2.tw	Method	TBLASTX:Wheat
Start	485	End	1024
GI	none	Score	605
Exons	485..1024, 673..1020		

Seq. No.	4936	Seq. ID	OJ990722_14.9A14.C13
Gene No.	10301	Strand	+
Start	1	End	1694
Name	OJ990722_14.9A14.C13.o1.ts	Method	TBLASTX:Soybean
Start	812	End	1072
GI	none	Score	301
Exons	812..1072, 823..1071		

Seq. No.	4936	Seq. ID	OJ990722_14.9A14.C13
Gene No.	10301	Strand	+
Start	1	End	1694
Name	OJ990722_14.9A14.C13.o3.tm	Method	TBLASTX:Maize
Start	870	End	1162
GI	none	Score	410
Exons	870..1073, 871..1158, 872..1162		

Seq. No.	4936	Seq. ID	OJ990722_14.9A14.C13
Gene No.	10301	Strand	+
Start	1	End	1694
Name	OJ990722_14.9A14.C13.o1.tw	Method	TBLASTX:Wheat
Start	1031	End	1657
GI	none	Score	711
Exons	1031..1657, 1033..1539, 1603..1656		

Seq. No.	4936	Seq. ID	OJ990722_14.9A14.C13
Gene No.	10301	Strand	+
Start	1	End	1694
Name	OJ990722_14.9A14.C13.o1.tm	Method	TBLASTX:Maize
Start	1210	End	1690
GI	none	Score	229
Exons	1210..1365, 1211..1372, 1369..1530, 1370..1690, 1603..1671		

Seq. No.	4937	Seq. ID	OJ990722_14.9A14.C14
Gene No.	10302	Strand	+
Start	1049	End	1221

Name	OJ990722_14.9A14.C14.o2.np	Method	AAT/NAP
Start	1049	End	1221
GI	6063554	Score	121
Exons	1049..1221		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4937	Seq. ID	OJ990722_14.9A14.C14
Gene No.	10303	Strand	+
Start	1380	End	2809
Name	OJ990722_14.9A14.C14.o1.gs	Method	GENSCAN
Start	1380	End	2809
GI	none	Score	.99
Exons	1380..1414, 2276..2436, 2475..2809		

Seq. No.	4937	Seq. ID	OJ990722_14.9A14.C14
Gene No.	10304	Strand	-
Start	1	End	974
Name	OJ990722_14.9A14.C14.o1.np	Method	AAT/NAP
Start	1	End	974
GI	5852179	Score	101
Exons	1..128, 954..974		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	4937	Seq. ID	OJ990722_14.9A14.C14
Gene No.	10305	Strand	-
Start	3564	End	4479
Name	OJ990722_14.9A14.C14.o2.gs	Method	GENSCAN
Start	3564	End	4130
GI	none	Score	.93
Exons	3564..4130		

Seq. No.	4937	Seq. ID	OJ990722_14.9A14.C14
Gene No.	10305	Strand	-
Start	3564	End	4479
Name	OJ990722_14.9A14.C14.o3.np	Method	AAT/NAP
Start	3567	End	4479
GI	4680179	Score	1075
Exons	3567..4479		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4937	Seq. ID	OJ990722_14.9A14.C14
Gene No.	10305	Strand	-
Start	3564	End	4479
Name	OJ990722_14.9A14.C14.o2.tw	Method	TBLASTX:Wheat
Start	3612	End	3899
GI	none	Score	69
Exons	3612..3899, 3663..3794, 3664..3897		

Seq. No.	4937	Seq. ID	OJ990722_14.9A14.C14
Gene No.	10305	Strand	-
Start	3564	End	4479
Name	OJ990722_14.9A14.C14.o2.tm	Method	TBLASTX:Maize
Start	3663	End	3896
GI	none	Score	112
Exons	3663..3896, 3712..3858		

Seq. No.	4937	Seq. ID	OJ990722_14.9A14.C14
Gene No.	10305	Strand	-
Start	3564	End	4479
Name	OJ990722_14.9A14.C14.o1.tw	Method	TBLASTX:Wheat
Start	3915	End	4301
GI	none	Score	312
Exons	3915..4301, 3922..4296		

Seq. No.	4937	Seq. ID	OJ990722_14.9A14.C14
Gene No.	10305	Strand	-
Start	3564	End	4479
Name	OJ990722_14.9A14.C14.o1.tm	Method	TBLASTX:Maize
Start	4026	End	4332
GI	none	Score	245
Exons	4026..4331, 4030..4332		

Seq. No.	4938	Seq. ID	OJ990722_14.9A14.C15
Gene No.	10306	Strand	+
Start	361	End	1603
Name	OJ990722_14.9A14.C15.o1.gs	Method	GENSCAN
Start	361	End	1603
GI	none	Score	.41
Exons	361..456, 1583..1603		

Seq. No.	4938	Seq. ID	OJ990722_14.9A14.C15
Gene No.	10307	Strand	-
Start	3962	End	4218
Name	OJ990722_14.9A14.C15.o2.gs	Method	GENSCAN
Start	3962	End	4218
GI	none	Score	.44
Exons	3962..4218		

Seq. No.	4939	Seq. ID	OJ990722_14.9A14.C16
Gene No.	10308	Strand	+
Start	1783	End	1889
Name	OJ990722_14.9A14.C16.o1.np	Method	AAT/NAP
Start	1783	End	1889
GI	6539586	Score	114
Exons	1783..1889		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o1.gs	Method	GENSCAN
Start	31	End	1643
GI	none	Score	.68
Exons	31..1136, 1364..1643		

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o1.np	Method	AAT/NAP
Start	79	End	2409
GI	4680179	Score	1806
Exons	79..1421, 1449..1568, 2131..2409		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o2.tm	Method	TBLASTX:Maize
Start	79	End	312
GI	none	Score	100
Exons	79..312, 131..259		

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o2.tw	Method	TBLASTX:Wheat
Start	79	End	309
GI	none	Score	237
Exons	79..309, 80..307		

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o1.ts	Method	TBLASTX:Soybean
Start	79	End	456
GI	none	Score	184
Exons	79..312, 83..304, 91..417, 367..420, 424..456, 424..456		

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o1.tm	Method	TBLASTX:Maize
Start	367	End	814
GI	none	Score	66
Exons	367..810, 572..814		

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o1.tw	Method	TBLASTX:Wheat
Start	397	End	880
GI	none	Score	222
Exons	397..879, 400..855, 440..880		

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o2.ts	Method	TBLASTX:Soybean
Start	529	End	843
GI	none	Score	193
Exons	529..843		

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o3.tm	Method	TBLASTX:Maize
Start	817	End	1008
GI	none	Score	106
Exons	817..1008, 863..970		

Seq. No.	4940	Seq. ID	OJ990722_14.9A14.C17
Gene No.	10309	Strand	-
Start	31	End	2409
Name	OJ990722_14.9A14.C17.o3.tw	Method	TBLASTX:Wheat
Start	1012	End	1350
GI	none	Score	50
Exons	1012..1350, 1087..1275		

Seq. No.	4941	Seq. ID	OJ990722_14.9A14.C18
Gene No.	10310	Strand	-
Start	1	End	421
Name	OJ990722_14.9A14.C18.o1.np	Method	AAT/NAP
Start	1	End	421
GI	4680179	Score	320
Exons	1..421		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4941	Seq. ID	OJ990722_14.9A14.C18
Gene No.	10311	Strand	-
Start	637	End	809
Name	OJ990722_14.9A14.C18.o1.tw	Method	TBLASTX:Wheat
Start	7	End	205
GI	none	Score	134
Exons	7..204, 8..205		

Seq. No.	4941	Seq. ID	OJ990722_14.9A14.C18
Gene No.	10311	Strand	-
Start	637	End	809
Name	OJ990722_14.9A14.C18.o2.np	Method	AAT/NAP
Start	637	End	809
GI	4512231	Score	255
Exons	637..809		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	4942	Seq. ID	OJ990722_14.9A14.C19
Gene No.	10312	Strand	-
Start	1	End	307
Name	OJ990722_14.9A14.C19.o1.np	Method	AAT/NAP
Start	1	End	307
GI	4680179	Score	163
Exons	1..148, 233..307		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4943	Seq. ID	OJ990722_14.9A14.C20
Gene No.	10313	Strand	+
Start	1	End	846
Name	OJ990722_14.9A14.C20.o1.np	Method	AAT/NAP
Start	1	End	846
GI	6063554	Score	147
Exons	1..30, 671..846		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4943	Seq. ID	OJ990722_14.9A14.C20
Gene No.	10314	Strand	+

Start	1216	End	1471
Name	OJ990722_14.9A14.C20.o2.gp	Method	AAT/GAP
Start	1216	End	1471
GI	61605_3.R1084	Score	413
Exons	1216..1471		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	4943	Seq. ID	OJ990722_14.9A14.C20
Gene No.	10315	Strand	+
Start	1559	End	1991
Name	OJ990722_14.9A14.C20.o1.gs	Method	GENSCAN
Start	1559	End	1991
GI	none	Score	.75
Exons	1559..1653, 1697..1717, 1778..1991		

Seq. No.	4943	Seq. ID	OJ990722_14.9A14.C20
Gene No.	10316	Strand	-
Start	1	End	2181
Name	OJ990722_14.9A14.C20.o2.np	Method	AAT/NAP
Start	1	End	2181
GI	5257279	Score	807
Exons	1..51, 1630..2181		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	4944	Seq. ID	OJ990722_14.9A14.C21
Gene No.	10317	Strand	+
Start	1	End	2761
Name	OJ990722_14.9A14.C21.o1.np	Method	AAT/NAP
Start	1	End	2761
GI	6498441	Score	384
Exons	1..66, 1918..2154, 2248..2414, 2651..2761		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	4944	Seq. ID	OJ990722_14.9A14.C21
Gene No.	10317	Strand	+
Start	1	End	2761
Name	OJ990722_14.9A14.C21.o1.gs	Method	GENSCAN
Start	1339	End	2095
GI	none	Score	.49
Exons	1339..1400, 1891..2095		

Seq. No.	4944	Seq. ID	OJ990722_14.9A14.C21
Gene No.	10318	Strand	+
Start	4062	End	5359
Name	OJ990722_14.9A14.C21.o2.np	Method	AAT/NAP
Start	4062	End	5359
GI	2129618	Score	225
Exons	4062..4787, 5326..5359		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi|806535|emb|CAA57397| (X81801) Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	4944	Seq. ID	OJ990722_14.9A14.C21

Gene No.	10319	Strand	-
Start	3789	End	4772
Name	OJ990722_14.9A14.C21.o1.tw	Method	TBLASTX:Wheat
Start	1921	End	2363
GI	none	Score	55
Exons	1921..2031, 1922..2092, 1933..2091, 2093..2158, 2097..2363		

Seq. No.	4944	Seq. ID	OJ990722_14.9A14.C21
Gene No.	10319	Strand	-
Start	3789	End	4772
Name	OJ990722_14.9A14.C21.o2.gs	Method	GENSCAN
Start	3789	End	4772
GI	none	Score	.68
Exons	3789..3823, 4007..4139, 4494..4577, 4701..4772		

Seq. No.	4944	Seq. ID	OJ990722_14.9A14.C21
Gene No.	10319	Strand	-
Start	3789	End	4772
Name	OJ990722_14.9A14.C21.o1.ts	Method	TBLASTX:Soybean
Start	4324	End	4761
GI	none	Score	65
Exons	4324..4455, 4483..4761		

Seq. No.	4944	Seq. ID	OJ990722_14.9A14.C21
Gene No.	10319	Strand	-
Start	3789	End	4772
Name	OJ990722_14.9A14.C21.o2.tw	Method	TBLASTX:Wheat
Start	4351	End	4698
GI	none	Score	81
Exons	4351..4467, 4483..4698		

Seq. No.	4945	Seq. ID	OJ990722_14.9A14.C22
Gene No.	10320	Strand	+
Start	1	End	1066
Name	OJ990722_14.9A14.C22.o1.np	Method	AAT/NAP
Start	1	End	1066
GI	6691193	Score	261
Exons	1..50, 335..1066		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	4945	Seq. ID	OJ990722_14.9A14.C22
Gene No.	10320	Strand	+
Start	1	End	1066
Name	OJ990722_14.9A14.C22.o1.tw	Method	TBLASTX:Wheat
Start	413	End	778
GI	none	Score	98
Exons	413..568, 601..777, 602..778		

Seq. No.	4945	Seq. ID	OJ990722_14.9A14.C22
Gene No.	10320	Strand	+
Start	1	End	1066
Name	OJ990722_14.9A14.C22.o1.gs	Method	GENSCAN
Start	548	End	1024
GI	none	Score	.51
Exons	548..1024		

Seq. No.	4946	Seq. ID	OJ990722_14.9A14.C23

Gene No.	10321	Strand	-
Start	346	End	1702
Name	OJ990722_14.9A14.C23.o1.np	Method	AAT/NAP
Start	346	End	1514
GI	6063554	Score	168
Exons	346..517, 1185..1249, 1334..1514		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4946	Seq. ID	OJ990722_14.9A14.C23
Gene No.	10321	Strand	-
Start	346	End	1702
Name	OJ990722_14.9A14.C23.o1.gs	Method	GENSCAN
Start	1013	End	1702
GI	none	Score	.82
Exons	1013..1234, 1288..1491, 1529..1702		

Seq. No.	4946	Seq. ID	OJ990722_14.9A14.C23
Gene No.	10322	Strand	-
Start	2124	End	2224
Name	OJ990722_14.9A14.C23.o2.np	Method	AAT/NAP
Start	2124	End	2224
GI	4680179	Score	141
Exons	2124..2224		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4947	Seq. ID	OJ990722_14.9A14.C24
Gene No.	10323	Strand	+
Start	851	End	4064
Name	OJ990722_14.9A14.C24.o1.gs	Method	GENSCAN
Start	851	End	4030
GI	none	Score	.87
Exons	851..939, 968..1058, 2159..2320, 2465..2974, 3426..4030		

Seq. No.	4947	Seq. ID	OJ990722_14.9A14.C24
Gene No.	10323	Strand	+
Start	851	End	4064
Name	OJ990722_14.9A14.C24.o2.gp	Method	AAT/GAP
Start	890	End	1271
GI	uC-osflcyp033a04b1	Score	695
Exons	890..1271		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4947	Seq. ID	OJ990722_14.9A14.C24
Gene No.	10323	Strand	+
Start	851	End	4064
Name	OJ990722_14.9A14.C24.o2.np	Method	AAT/NAP
Start	3218	End	4064
GI	5042447	Score	661
Exons	3218..4064		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4947	Seq. ID	OJ990722_14.9A14.C24
Gene No.	10324	Strand	-
Start	823	End	1912

Name	OJ990722_14.9A14.C24.o1.np	Method	AAT/NAP
Start	823	End	1912
GI	4680186	Score	358
Exons	823..1023, 1861..1912		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4947	Seq. ID	OJ990722_14.9A14.C24
Gene No.	10325	Strand	
Start	3450	End	3998
Name	OJ990722_14.9A14.C24.o1.tw	Method	TBLASTX:Wheat
Start	3450	End	3812
GI	none	Score	296
Exons	3450..3812, 3452..3811		

Seq. No.	4947	Seq. ID	OJ990722_14.9A14.C24
Gene No.	10325	Strand	
Start	3450	End	3998
Name	OJ990722_14.9A14.C24.o1.tm	Method	TBLASTX:Maize
Start	3693	End	3998
GI	none	Score	236
Exons	3693..3998, 3707..3823		

Seq. No.	4948	Seq. ID	OJ990722_14.9A14.C25
Gene No.	10326	Strand	+
Start	1	End	470
Name	OJ990722_14.9A14.C25.o1.np	Method	AAT/NAP
Start	1	End	470
GI	4680179	Score	670
Exons	1..470		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4948	Seq. ID	OJ990722_14.9A14.C25
Gene No.	10326	Strand	+
Start	1	End	470
Name	OJ990722_14.9A14.C25.o1.tw	Method	TBLASTX:Wheat
Start	2	End	416
GI	none	Score	540
Exons	2..334, 3..416		

Seq. No.	4948	Seq. ID	OJ990722_14.9A14.C25
Gene No.	10326	Strand	+
Start	1	End	470
Name	OJ990722_14.9A14.C25.o1.tm	Method	TBLASTX:Maize
Start	5	End	399
GI	none	Score	451
Exons	5..334, 6..338, 21..347, 25..399		

Seq. No.	4949	Seq. ID	OJ990722_14.9A14.C26
Gene No.	10327	Strand	+
Start	498	End	1657
Name	OJ990722_14.9A14.C26.o1.gs	Method	GENSCAN
Start	498	End	1657
GI	none	Score	.8
Exons	498..645, 1170..1657		

Seq. No.	4950	Seq. ID	OJ990722_14.9A14.C28
Gene No.	10328	Strand	+

Start	1	End	492
Name	OJ990722_14.9A14.C28.o1.np	Method	AAT/NAP
Start	1	End	492
GI	4680179	Score	665
Exons	1..492		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4950	Seq. ID	OJ990722_14.9A14.C28
Gene No.	10328	Strand	+
Start	1	End	492
Name	OJ990722_14.9A14.C28.o1.tw	Method	TBLASTX:Wheat
Start	27	End	447
GI	none	Score	75
Exons	27..110, 103..330, 104..331, 337..447		

Seq. No.	4950	Seq. ID	OJ990722_14.9A14.C28
Gene No.	10328	Strand	+
Start	1	End	492
Name	OJ990722_14.9A14.C28.o1.gs	Method	GENSCAN
Start	95	End	361
GI	none	Score	.55
Exons	95..361		

Seq. No.	4950	Seq. ID	OJ990722_14.9A14.C28
Gene No.	10328	Strand	+
Start	1	End	492
Name	OJ990722_14.9A14.C28.o1.tm	Method	TBLASTX:Maize
Start	100	End	331
GI	none	Score	260
Exons	100..330, 104..331		

Seq. No.	4951	Seq. ID	OJ990722_14.9A14.C29
Gene No.	10329	Strand	-
Start	1	End	1332
Name	OJ990722_14.9A14.C29.o1.np	Method	AAT/NAP
Start	1	End	1332
GI	5257279	Score	1520
Exons	1..1332		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	4951	Seq. ID	OJ990722_14.9A14.C29
Gene No.	10329	Strand	-
Start	1	End	1332
Name	OJ990722_14.9A14.C29.o1.tw	Method	TBLASTX:Wheat
Start	1	End	364
GI	none	Score	63
Exons	1..108, 1..108, 142..363, 220..276, 242..364		

Seq. No.	4951	Seq. ID	OJ990722_14.9A14.C29
Gene No.	10329	Strand	-
Start	1	End	1332
Name	OJ990722_14.9A14.C29.o1.tm	Method	TBLASTX:Maize
Start	46	End	369
GI	none	Score	43
Exons	46..108, 46..369, 221..322		

Seq. No.	4951	Seq. ID	OJ990722_14.9A14.C29
Gene No.	10329	Strand	-
Start	1	End	1332
Name	OJ990722_14.9A14.C29.o1.gs	Method	GENSCAN
Start	312	End	1262
GI	none	Score	.58
Exons	312..467, 842..1262		

Seq. No.	4952	Seq. ID	OJ990722_14.9A14.C30
Gene No.	10330	Strand	+
Start	1	End	542
Name	OJ990722_14.9A14.C30.o1.np	Method	AAT/NAP
Start	1	End	542
GI	5852175	Score	57
Exons	1..50, 494..542		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	4952	Seq. ID	OJ990722_14.9A14.C30
Gene No.	10330	Strand	+
Start	1	End	542
Name	OJ990722_14.9A14.C30.o1.gs	Method	GENSCAN
Start	91	End	174
GI	none	Score	.96
Exons	91..174		

Seq. No.	4952	Seq. ID	OJ990722_14.9A14.C30
Gene No.	10331	Strand	-
Start	1512	End	2364
Name	OJ990722_14.9A14.C30.o2.gs	Method	GENSCAN
Start	1512	End	1996
GI	none	Score	.7
Exons	1512..1996		

Seq. No.	4952	Seq. ID	OJ990722_14.9A14.C30
Gene No.	10331	Strand	-
Start	1512	End	2364
Name	OJ990722_14.9A14.C30.o2.np	Method	AAT/NAP
Start	1566	End	2364
GI	5257279	Score	285
Exons	1566..1814, 2340..2364		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	4953	Seq. ID	OJ990722_14.9A14.C31
Gene No.	10332	Strand	+
Start	212	End	2296
Name	OJ990722_14.9A14.C31.o1.gs	Method	GENSCAN
Start	212	End	2290
GI	none	Score	.45
Exons	212..385, 532..933, 1271..1443, 1639..2290		

Seq. No.	4953	Seq. ID	OJ990722_14.9A14.C31
Gene No.	10332	Strand	+
Start	212	End	2296
Name	OJ990722_14.9A14.C31.o1.np	Method	AAT/NAP
Start	212	End	1005
GI	4512231	Score	1301

Exons	212..1005		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	4953	Seq. ID	OJ990722_14.9A14.C31
Gene No.	10332	Strand	+
Start	212	End	2296
Name	OJ990722_14.9A14.C31.o2.np	Method	AAT/NAP
Start	1234	End	2296
GI	4680179	Score	826
Exons	1234..2296		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	4953	Seq. ID	OJ990722_14.9A14.C31
Gene No.	10332	Strand	+
Start	212	End	2296
Name	OJ990722_14.9A14.C31.o2.tw	Method	TBLASTX:Wheat
Start	1429	End	1627
GI	none	Score	211
Exons	1429..1626, 1430..1627, 1433..1627		
Seq. No.	4953	Seq. ID	OJ990722_14.9A14.C31
Gene No.	10332	Strand	+
Start	212	End	2296
Name	OJ990722_14.9A14.C31.o1.tw	Method	TBLASTX:Wheat
Start	1676	End	2029
GI	none	Score	318
Exons	1676..1873, 1679..2029		
Seq. No.	4953	Seq. ID	OJ990722_14.9A14.C31
Gene No.	10332	Strand	+
Start	212	End	2296
Name	OJ990722_14.9A14.C31.o1.tm	Method	TBLASTX:Maize
Start	1679	End	1984
GI	none	Score	242
Exons	1679..1984, 1705..1785, 1758..1835		
Seq. No.	4954	Seq. ID	OJ990722_14.9A14.C32
Gene No.	10333	Strand	-
Start	154	End	2042
Name	OJ990722_14.9A14.C32.o1.gs	Method	GENSCAN
Start	154	End	1218
GI	none	Score	.73
Exons	154..1218		
Seq. No.	4954	Seq. ID	OJ990722_14.9A14.C32
Gene No.	10333	Strand	-
Start	154	End	2042
Name	OJ990722_14.9A14.C32.o1.np	Method	AAT/NAP
Start	229	End	2042
GI	161752	Score	126
Exons	229..339, 607..685, 831..906, 940..1076, 1223..1290, 2013..2042		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi|737494|prf||1922371A cnjB gene [Tetrahymena thermophila]		
Seq. No.	4955	Seq. ID	OJ990722_14.9A14.C33
Gene No.	10334	Strand	+
Start	997	End	1378

Name	OJ990722_14.9A14.C33.o1.gs	Method	GENSCAN
Start	997	End	1378
GI	none	Score	.5
Exons	997..1045, 1293..1378		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o1.np	Method	AAT/NAP
Start	1	End	2044
GI	5257279	Score	2707
Exons	1..456, 570..731, 948..2044		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o3.tw	Method	TBLASTX:Wheat
Start	1	End	439
GI	none	Score	62
Exons	1..366, 3..95, 5..361, 5..439, 159..398		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o5.tm	Method	TBLASTX:Maize
Start	2	End	175
GI	none	Score	86
Exons	2..115, 3..101, 32..175, 113..175		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o2.tm	Method	TBLASTX:Maize
Start	176	End	496
GI	none	Score	140
Exons	176..427, 179..496, 180..494		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o2.tw	Method	TBLASTX:Wheat
Start	470	End	947
GI	none	Score	76
Exons	470..538, 474..536, 536..649, 538..648, 654..809, 654..947		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o4.tm	Method	TBLASTX:Maize
Start	497	End	812
GI	none	Score	47
Exons	497..532, 536..598, 541..648, 642..698, 654..812		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-

Start	1	End	2044
Name	OJ990722_14.9A14.C34.o1.gs	Method	GENSCAN
Start	645	End	1977
GI	none	Score	.54
Exons	645..1555, 1693..1977		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o1.tw	Method	TBLASTX:Wheat
Start	948	End	1451
GI	none	Score	289
Exons	948..1451, 1027..1443		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o1.tm	Method	TBLASTX:Maize
Start	1027	End	1379
GI	none	Score	208
Exons	1027..1377, 1032..1379		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o2.ts	Method	TBLASTX:Soybean
Start	1200	End	1445
GI	none	Score	194
Exons	1200..1445		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o5.tw	Method	TBLASTX:Wheat
Start	1452	End	1703
GI	none	Score	86
Exons	1452..1604, 1456..1593, 1583..1651, 1652..1702, 1659..1703		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o3.tm	Method	TBLASTX:Maize
Start	1461	End	1840
GI	none	Score	49
Exons	1461..1580, 1468..1566, 1613..1840, 1614..1751, 1622..1840		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044
Name	OJ990722_14.9A14.C34.o1.ts	Method	TBLASTX:Soybean
Start	1467	End	1861
GI	none	Score	105
Exons	1467..1604, 1468..1596, 1559..1825, 1587..1823, 1829..1861		

Seq. No.	4956	Seq. ID	OJ990722_14.9A14.C34
Gene No.	10335	Strand	-
Start	1	End	2044

Name	OJ990722_14.9A14.C34.o4.tw	Method	TBLASTX:Wheat
Start	1717	End	2014
GI	none	Score	142
Exons	1717..1803, 1721..1924, 1727..1924, 1728..1925, 1928..2011, 1932..2012, 1937..2014		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10336	Strand	+
Start	2725	End	2851
Name	OJ990512_13.9A01.C2.o2.np	Method	AAT/NAP
Start	2725	End	2851
GI	5922628	Score	40
Exons	2725..2772, 2800..2851		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016861|dbj|BAA85204.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10337	Strand	+
Start	4577	End	9754
Name	OJ990512_13.9A01.C2.o2.gs	Method	GENSCAN
Start	4577	End	8256
GI	none	Score	.72
Exons	4577..4645, 5355..5425, 5521..5617, 6555..6687, 6856..6980, 7049..7222, 7320..7351, 7432..7544, 7659..7850, 7898..8256		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10337	Strand	+
Start	4577	End	9754
Name	OJ990512_13.9A01.C2.o3.np	Method	AAT/NAP
Start	5087	End	6923
GI	6721512	Score	74
Exons	5087..5200, 5228..5305, 6866..6923		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10337	Strand	+
Start	4577	End	9754
Name	OJ990512_13.9A01.C2.o4.np	Method	AAT/NAP
Start	6054	End	8080
GI	6721558	Score	171
Exons	6054..6153, 6856..7062, 7955..8080		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10337	Strand	+
Start	4577	End	9754
Name	OJ990512_13.9A01.C2.o5.np	Method	AAT/NAP
Start	6484	End	8280
GI	6721561	Score	551
Exons	6484..6550, 7052..7222, 7293..7351, 7432..8048, 8144..8280		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10337	Strand	+
Start	4577	End	9754
Name	OJ990512_13.9A01.C2.o6.np	Method	AAT/NAP
Start	7802	End	9754
GI	4680186	Score	170
Exons	7802..7916, 9570..9754		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10338	Strand	-
Start	1	End	3785
Name	OJ990512_13.9A01.C2.o1.np	Method	AAT/NAP
Start	1	End	1689
GI	100489	Score	516
Exons	1..59, 394..1689		
GI Descrip.	transposase Tam3 - garden snapdragon transposon Tam3 gi|16064|emb|CAA38906| (X55078) Tam3-transposase [Antirrhinum majus] gi|3219237|dbj|BAA28817.1| (AB013982) transposase [Antirrhinum majus] gi|3219239|dbj|BAA28818.1| (AB013983) transposase [Antirrhinum majus] gi|3219241|dbj|BAA28819.1| (AB013984) transposase [Antirrhinum majus] gi|3219244|dbj|BAA28820.1| (AB013986) transpo		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10338	Strand	-
Start	1	End	3785
Name	OJ990512_13.9A01.C2.o1.gs	Method	GENSCAN
Start	72	End	3785
GI	none	Score	.66
Exons	72..233, 868..1939, 1966..2022, 2112..2161, 2408..2446, 2702..2845, 3333..3539, 3740..3785		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10339	Strand	-
Start	8757	End	11031
Name	OJ990512_13.9A01.C2.o3.tm	Method	TBLASTX:Maize
Start	278	End	601
GI	none	Score	156
Exons	278..601, 300..554, 398..556, 445..588		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10339	Strand	-
Start	8757	End	11031
Name	OJ990512_13.9A01.C2.o2.tm	Method	TBLASTX:Maize
Start	798	End	1114
GI	none	Score	151
Exons	798..1019, 800..1024, 806..1045, 1034..1114		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10339	Strand	-
Start	8757	End	11031
Name	OJ990512_13.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	1208	End	1711
GI	none	Score	89

Exons	1208..1246, 1233..1307, 1241..1303, 1322..1579, 1323..1577, 1607..1645, 1631..1711		
Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10339	Strand	-
Start	8757	End	11031
Name	OJ990512_13.9A01.C2.o3.gs	Method	GENSCAN
Start	8757	End	10882
GI	none	Score	.69
Exons	8757..8785, 9470..9594, 9636..9742, 10787..10882		

Seq. No.	4957	Seq. ID	OJ990512_13.9A01.C2
Gene No.	10339	Strand	-
Start	8757	End	11031
Name	OJ990512_13.9A01.C2.o7.np	Method	AAT/NAP
Start	10145	End	11031
GI	6907087	Score	246
Exons	10145..10246, 10787..11031		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4958	Seq. ID	OJ990512_13.9A01.C3
Gene No.	10340	Strand	-
Start	1	End	1088
Name	OJ990512_13.9A01.C3.o1.np	Method	AAT/NAP
Start	1	End	1088
GI	6907087	Score	616
Exons	1..532, 741..1088		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4958	Seq. ID	OJ990512_13.9A01.C3
Gene No.	10340	Strand	-
Start	1	End	1088
Name	OJ990512_13.9A01.C3.o1.gs	Method	GENSCAN
Start	20	End	799
GI	none	Score	.68
Exons	20..152, 154..422, 469..606, 671..799		

Seq. No.	4959	Seq. ID	OJ990512_13.9A01.C5
Gene No.	10341	Strand	+
Start	164	End	3794
Name	OJ990512_13.9A01.C5.o1.gs	Method	GENSCAN
Start	164	End	3794
GI	none	Score	.67
Exons	164..229, 1223..1380, 1565..1914, 2289..2566, 2600..2648, 3778..3794		

Seq. No.	4959	Seq. ID	OJ990512_13.9A01.C5
Gene No.	10342	Strand	-
Start	4831	End	5031
Name	OJ990512_13.9A01.C5.o2.gs	Method	GENSCAN
Start	4831	End	5031
GI	none	Score	.88
Exons	4831..5031		

Seq. No.	4959	Seq. ID	OJ990512_13.9A01.C5
Gene No.	10343	Strand	-
Start	6800	End	7608
Name	OJ990512_13.9A01.C5.o3.gs	Method	GENSCAN
Start	6800	End	7608
GI	none	Score	.7
Exons	6800..6859, 7048..7333, 7459..7608		

Seq. No.	4959	Seq. ID	OJ990512_13.9A01.C5
Gene No.	10343	Strand	-
Start	6800	End	7608
Name	OJ990512_13.9A01.C5.o1.np	Method	AAT/NAP
Start	7048	End	7174
GI	5821432	Score	64
Exons	7048..7174		
GI Descrip.	(AB029060) F1F0-ATPase inhibitor protein [Oryza sativa]		

Seq. No.	4959	Seq. ID	OJ990512_13.9A01.C5
Gene No.	10344	Strand	
Start	7816	End	8956
Name	OJ990512_13.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	7816	End	8956
GI	none	Score	64
Exons	7816..7935, 7816..7947, 7816..7935, 7824..7979, 7827..7976, 7831..7947, 7854..7946, 7862..7945, 7956..8087, 7973..8158, 7983..8234, 7986..8111, 7991..8125, 7991..8110, 7992..8114, 7995..8102, 7995..8102, 8001..8087, 8015..8092, 8124..8246, 8127..8252, 8136..8264, 8141..8263, 8142..8264, 8145..8285, 8147..8263, 8147..8257, 8150..8257, 8272..8343, 8277..8348, 8279..8392, 8335..8475, 8356..8478, 8356..8493, 8363..8437, 8369..8437, 8485..8637, 8494..8634, 8512..8628, 8518..8625, 8536..8619, 8650..8730, 8651..8731, 8657..8731, 8666..8743, 8742..8786, 8825..8911, 8825..8938, 8826..8918, 8827..8955, 8834..8932, 8837..8926, 8837..8956		

Seq. No.	4960	Seq. ID	OJ990512_13.9A01.C6
Gene No.	10345	Strand	+
Start	1	End	7670
Name	OJ990512_13.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	4359
GI	6175164	Score	822
Exons	1..57, 347..543, 2049..2088, 2218..2373, 3028..3120, 3283..3363, 3478..3549, 3881..3949, 4037..4147, 4312..4359		
GI Descrip.	(AC011437) putative tryptophanyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	4960	Seq. ID	OJ990512_13.9A01.C6
Gene No.	10345	Strand	+
Start	1	End	7670
Name	OJ990512_13.9A01.C6.o1.gs	Method	GENSCAN
Start	343	End	7670
GI	none	Score	.66
Exons	343..531, 949..1015, 1319..1409, 2225..2373, 3028..3120, 3283..3419, 3447..3549, 3881..3949, 4037..4147, 4652..4815, 5856..6140, 6711..6762, 6815..7193, 7220..7670		

Seq. No.	4960	Seq. ID	OJ990512_13.9A01.C6
Gene No.	10346	Strand	-
Start	4660	End	7335
Name	OJ990512_13.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	344	End	4395
GI	none	Score	277
Exons	344..532, 346..531, 2217..2333, 2224..2334, 2332..2388, 2335..2373, 3025..3120, 3027..3113, 3245..3364, 3280..3384, 3282..3365, 3456..3551, 3475..3552, 3475..3552, 3875..3949, 3880..3951, 3883..3951, 4030..4107, 4034..4153, 4035..4115, 4309..4368, 4310..4366, 4312..4395		

Seq. No.	4960	Seq. ID	OJ990512_13.9A01.C6
Gene No.	10346	Strand	-
Start	4660	End	7335
Name	OJ990512_13.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	344	End	540
GI	none	Score	270
Exons	344..532, 346..540, 346..531		

Seq. No.	4960	Seq. ID	OJ990512_13.9A01.C6
Gene No.	10346	Strand	-
Start	4660	End	7335
Name	OJ990512_13.9A01.C6.o2.np	Method	AAT/NAP
Start	4660	End	7335
GI	4558564	Score	146
Exons	4660..4718, 6887..7335		
GI Descrip.	(AC007138) predicted protein of unknown function [Arabidopsis thaliana]		

Seq. No.	4961	Seq. ID	OJ990512_13.9A01.C7
Gene No.	10347	Strand	+
Start	1	End	2001
Name	OJ990512_13.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	1943
GI	6016874	Score	202
Exons	1..46, 1165..1391, 1778..1943		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	4961	Seq. ID	OJ990512_13.9A01.C7
Gene No.	10347	Strand	+
Start	1	End	2001
Name	OJ990512_13.9A01.C7.o1.gs	Method	GENSCAN
Start	86	End	1083
GI	none	Score	.52
Exons	86..144, 297..406, 570..681, 806..1083		

Seq. No.	4961	Seq. ID	OJ990512_13.9A01.C7
Gene No.	10347	Strand	+
Start	1	End	2001
Name	OJ990512_13.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	1083	End	1592
GI	none	Score	65
Exons	1083..1163, 1119..1481, 1217..1477, 1230..1481, 1479..1556, 1493..1561, 1497..1559, 1554..1592		

Seq. No.	4961	Seq. ID	OJ990512_13.9A01.C7
Gene No.	10347	Strand	+
Start	1	End	2001
Name	OJ990512_13.9A01.C7.o2.tm	Method	TBLASTX:Maize
Start	1685	End	2001
GI	none	Score	78
Exons	1685..1765, 1754..1993, 1775..1999, 1780..2001		

Seq. No.	4962	Seq. ID	OJ990512_13.9A01.C8
Gene No.	10348	Strand	+
Start	1	End	742
Name	OJ990512_13.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	742
GI	6691193	Score	145
Exons	1..39, 353..742		
GI Descrip.	(AC007534) F7F22.17 [Arabidopsis thaliana]		

Seq. No.	4962	Seq. ID	OJ990512_13.9A01.C8
Gene No.	10348	Strand	+
Start	1	End	742
Name	OJ990512_13.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	393	End	734
GI	none	Score	97
Exons	393..548, 573..734		

Seq. No.	4962	Seq. ID	OJ990512_13.9A01.C8
Gene No.	10348	Strand	+
Start	1	End	742
Name	OJ990512_13.9A01.C8.o1.gs	Method	GENSCAN
Start	462	End	719
GI	none	Score	.94
Exons	462..719		

Seq. No.	4963	Seq. ID	OJ990512_13.9A01.C10
Gene No.	10349	Strand	+
Start	1	End	6372
Name	OJ990512_13.9A01.C10.o3.np	Method	AAT/NAP
Start	1	End	6372
GI	5042447	Score	44
Exons	1..34, 2636..2716, 4016..4071, 6348..6372		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4963	Seq. ID	OJ990512_13.9A01.C10
Gene No.	10349	Strand	+
Start	1	End	6372
Name	OJ990512_13.9A01.C10.o2.gp	Method	AAT/GAP
Start	663	End	1047
GI	uC-osflcyp033a04b1	Score	678
Exons	663..1047		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4963	Seq. ID	OJ990512_13.9A01.C10
Gene No.	10349	Strand	+
Start	1	End	6372
Name	OJ990512_13.9A01.C10.o1.gs	Method	GENSCAN

Start	768	End	3555
GI	none	Score	.94
Exons	768..833, 1907..1987, 2299..3555		

Seq. No.	4963	Seq. ID	OJ990512_13.9A01.C10
Gene No.	10349	Strand	+
Start	1	End	6372
Name	OJ990512_13.9A01.C10.o2.gs	Method	GENSCAN
Start	4036	End	5831
GI	none	Score	.71
Exons	4036..4336, 4739..4951, 5009..5093, 5744..5831		

Seq. No.	4963	Seq. ID	OJ990512_13.9A01.C10
Gene No.	10350	Strand	-
Start	1	End	2887
Name	OJ990512_13.9A01.C10.o2.np	Method	AAT/NAP
Start	1	End	2887
GI	5852180	Score	41
Exons	1..87, 831..962, 2862..2887		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4963	Seq. ID	OJ990512_13.9A01.C10
Gene No.	10350	Strand	-
Start	1	End	2887
Name	OJ990512_13.9A01.C10.o1.np	Method	AAT/NAP
Start	591	End	2545
GI	4680186	Score	228
Exons	591..796, 2492..2545		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4964	Seq. ID	OJ990512_13.9A01.C11
Gene No.	10351	Strand	-
Start	271	End	748
Name	OJ990512_13.9A01.C11.o1.gs	Method	GENSCAN
Start	271	End	748
GI	none	Score	.82
Exons	271..449, 700..748		

Seq. No.	4965	Seq. ID	OJ990512_13.9A01.C12
Gene No.	10352	Strand	+
Start	1720	End	2119
Name	OJ990512_13.9A01.C12.o1.np	Method	AAT/NAP
Start	1720	End	2119
GI	1399945	Score	53
Exons	1720..1783, 2044..2119		
GI Descrip.	(U60194) RNA helicase GLH-2 [Caenorhabditis elegans] gi|1405387 (U60449) GLH-2 [Caenorhabditis elegans]		

Seq. No.	4965	Seq. ID	OJ990512_13.9A01.C12
Gene No.	10353	Strand	-
Start	3470	End	3812
Name	OJ990512_13.9A01.C12.o2.np	Method	AAT/NAP
Start	3470	End	3812
GI	4680185	Score	389
Exons	3470..3812		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4966	Seq. ID	OJ990512_13.9A01.C13
Gene No.	10354	Strand	+
Start	2731	End	3114
Name	OJ990512_13.9A01.C13.o2.gp	Method	AAT/GAP
Start	2731	End	3114
GI	uC-osf1cyp033a04b1	Score	677
Exons	2731..3114		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4966	Seq. ID	OJ990512_13.9A01.C13
Gene No.	10355	Strand	-
Start	1	End	5701
Name	OJ990512_13.9A01.C13.o1.np	Method	AAT/NAP
Start	1	End	5701
GI	5852180	Score	527
Exons	1..26, 670..710, 1411..1822, 1874..1980, 2965..3033, 4561..4714, 5681..5701		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4966	Seq. ID	OJ990512_13.9A01.C13
Gene No.	10355	Strand	-
Start	1	End	5701
Name	OJ990512_13.9A01.C13.o1.gp	Method	AAT/GAP
Start	425	End	674
GI	LIB3434-038-P1-K1-F1	Score	285
Exons	425..674		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	4966	Seq. ID	OJ990512_13.9A01.C13
Gene No.	10355	Strand	-
Start	1	End	5701
Name	OJ990512_13.9A01.C13.o1.gs	Method	GENSCAN
Start	1125	End	1655
GI	none	Score	.87
Exons	1125..1655		

Seq. No.	4966	Seq. ID	OJ990512_13.9A01.C13
Gene No.	10355	Strand	-
Start	1	End	5701
Name	OJ990512_13.9A01.C13.o2.gs	Method	GENSCAN
Start	2661	End	5637
GI	none	Score	.53
Exons	2661..2882, 5572..5637		

Seq. No.	4967	Seq. ID	OJ990512_13.9A01.C14
Gene No.	10356	Strand	+
Start	72	End	4912
Name	OJ990512_13.9A01.C14.o1.np	Method	AAT/NAP
Start	72	End	4912
GI	6907087	Score	572
Exons	72..435, 480..1156, 4811..4912		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4967	Seq. ID	OJ990512_13.9A01.C14
Gene No.	10357	Strand	-
Start	85	End	4581
Name	OJ990512_13.9A01.C14.o1.gs	Method	GENSCAN
Start	85	End	4581
GI	none	Score	.57
Exons	85..188, 265..937, 1177..1306, 1776..1861, 2104..2205, 2701..2785, 2973..3114, 3120..3456, 3581..3699, 4548..4581		

Seq. No.	4967	Seq. ID	OJ990512_13.9A01.C14
Gene No.	10357	Strand	-
Start	85	End	4581
Name	OJ990512_13.9A01.C14.o1.gp	Method	AAT/GAP
Start	1308	End	2178
GI	4107138	Score	1365
Exons	1308..2178		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-149 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	4967	Seq. ID	OJ990512_13.9A01.C14
Gene No.	10358	Strand	-
Start	4805	End	5650
Name	OJ990512_13.9A01.C14.o2.gs	Method	GENSCAN
Start	4805	End	5650
GI	none	Score	.92
Exons	4805..4911, 5598..5650		

Seq. No.	4967	Seq. ID	OJ990512_13.9A01.C14
Gene No.	10358	Strand	-
Start	4805	End	5650
Name	OJ990512_13.9A01.C14.o2.np	Method	AAT/NAP
Start	5301	End	5501
GI	4680186	Score	193
Exons	5301..5501		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4968	Seq. ID	OJ990512_13.9A01.C16
Gene No.	10359	Strand	+
Start	1	End	723
Name	OJ990512_13.9A01.C16.o1.np	Method	AAT/NAP
Start	1	End	723
GI	5042447	Score	893
Exons	1..723		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	4968	Seq. ID	OJ990512_13.9A01.C16
Gene No.	10359	Strand	+
Start	1	End	723
Name	OJ990512_13.9A01.C16.o1.gs	Method	GENSCAN
Start	42	End	600
GI	none	Score	.67
Exons	42..213, 346..600		

Seq. No.	4968	Seq. ID	OJ990512_13.9A01.C16
Gene No.	10359	Strand	+
Start	1	End	723
Name	OJ990512_13.9A01.C16.o2.tm	Method	TBLASTX:Maize

Start	74	End	278
GI	none	Score	229
Exons	74..277, 75..278		

Seq. No.	4968	Seq. ID	OJ990512_13.9A01.C16
Gene No.	10359	Strand	+
Start	1	End	723
Name	OJ990512_13.9A01.C16.o1.tw	Method	TBLASTX:Wheat
Start	182	End	596
GI	none	Score	576
Exons	182..553, 183..596, 258..590		

Seq. No.	4968	Seq. ID	OJ990512_13.9A01.C16
Gene No.	10359	Strand	+
Start	1	End	723
Name	OJ990512_13.9A01.C16.o1.ts	Method	TBLASTX:Soybean
Start	222	End	467
GI	none	Score	187
Exons	222..467		

Seq. No.	4968	Seq. ID	OJ990512_13.9A01.C16
Gene No.	10359	Strand	+
Start	1	End	723
Name	OJ990512_13.9A01.C16.o1.tm	Method	TBLASTX:Maize
Start	285	End	638
GI	none	Score	448
Exons	285..638, 290..553, 297..623, 599..631		

Seq. No.	4969	Seq. ID	OJ990512_13.9A01.C17
Gene No.	10360	Strand	-
Start	43	End	576
Name	OJ990512_13.9A01.C17.o1.np	Method	AAT/NAP
Start	43	End	576
GI	5852178	Score	140
Exons	43..270, 301..576		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	4970	Seq. ID	OJ990512_13.9A01.C18
Gene No.	10361	Strand	-
Start	54	End	226
Name	OJ990512_13.9A01.C18.o1.np	Method	AAT/NAP
Start	54	End	226
GI	6063554	Score	99
Exons	54..226		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4971	Seq. ID	OJ990512_13.9A01.C19
Gene No.	10362	Strand	+
Start	14	End	101
Name	OJ990512_13.9A01.C19.o1.gs	Method	GENSCAN
Start	14	End	101
GI	none	Score	.46
Exons	14..101		

Seq. No.	4972	Seq. ID	OJ990512_13.9A01.C20

Gene No.	10363	Strand	+
Start	142	End	405
Name	OJ990512_13.9A01.C20.o1.gs	Method	GENSCAN
Start	142	End	405
GI	none	Score	.41
Exons	142..154, 227..405		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o1.np	Method	AAT/NAP
Start	294	End	4814
GI	4680179	Score	5377
Exons	294..3695, 3729..4814		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o6.tw	Method	TBLASTX:Wheat
Start	339	End	672
GI	none	Score	123
Exons	339..671, 360..668, 403..672		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	519	End	1118
GI	none	Score	113
Exons	519..884, 534..797, 535..888, 874..960, 875..961, 893..961, 958..1029, 965..1030, 1018..1110, 1032..1118, 1072..1110		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o2.tw	Method	TBLASTX:Wheat
Start	672	End	4468
GI	none	Score	88
Exons	672..881, 784..882, 874..1029, 878..1030, 908..1054, 1032..1298, 1038..1205, 4418..4468		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o4.tm	Method	TBLASTX:Maize
Start	1167	End	1459
GI	none	Score	202
Exons	1167..1457, 1171..1458, 1298..1459		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o2.ts	Method	TBLASTX:Soybean
Start	1257	End	1517
GI	none	Score	148
Exons	1257..1517, 1258..1512		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o1.tc	Method	TBLASTX:Cress
Start	1281	End	1598
GI	none	Score	85
Exons	1281..1424, 1282..1422, 1425..1598		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o1.tw	Method	TBLASTX:Wheat
Start	1305	End	1883
GI	none	Score	331
Exons	1305..1883, 1306..1872		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o2.tm	Method	TBLASTX:Maize
Start	1863	End	2226
GI	none	Score	158
Exons	1863..2225, 1872..2225, 1876..2226		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o3.tw	Method	TBLASTX:Wheat
Start	1884	End	2297
GI	none	Score	338
Exons	1884..2297, 1885..2265		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o3.ts	Method	TBLASTX:Soybean
Start	2046	End	2291
GI	none	Score	66
Exons	2046..2291, 2146..2274		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o3.tm	Method	TBLASTX:Maize
Start	2262	End	2762
GI	none	Score	95
Exons	2262..2576, 2383..2511, 2583..2762, 2608..2754		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o5.tw	Method	TBLASTX:Wheat
Start	2298	End	2600
GI	none	Score	171
Exons	2298..2600, 2304..2597, 2314..2598		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o1.ts	Method	TBLASTX:Soybean
Start	2313	End	2708
GI	none	Score	110
Exons	2313..2585, 2313..2672, 2314..2604, 2632..2670, 2639..2671, 2676..2708, 2677..2706		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o4.tw	Method	TBLASTX:Wheat
Start	2649	End	3135
GI	none	Score	277
Exons	2649..3026, 2692..3135, 3081..3131		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o2.tc	Method	TBLASTX:Cress
Start	2685	End	3002
GI	none	Score	182
Exons	2685..3002		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o5.tm	Method	TBLASTX:Maize
Start	2830	End	3120
GI	none	Score	189
Exons	2830..3120, 2832..3119		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o8.tw	Method	TBLASTX:Wheat
Start	3246	End	3669
GI	none	Score	69
Exons	3246..3413, 3301..3414, 3459..3668, 3460..3669		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o7.tm	Method	TBLASTX:Maize
Start	3351	End	3702
GI	none	Score	68
Exons	3351..3674, 3535..3702		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o7.tw	Method	TBLASTX:Wheat
Start	3987	End	4338
GI	none	Score	115
Exons	3987..4337, 4144..4338		

Seq. No.	4973	Seq. ID	OJ990512_13.9A01.C21
Gene No.	10364	Strand	-
Start	294	End	4814
Name	OJ990512_13.9A01.C21.o6.tm	Method	TBLASTX:Maize
Start	4032	End	4337
GI	none	Score	91
Exons	4032..4337, 4159..4323		

Seq. No.	4974	Seq. ID	OJ990512_13.9A01.C22
Gene No.	10365	Strand	+
Start	1	End	679
Name	OJ990512_13.9A01.C22.o1.np	Method	AAT/NAP
Start	1	End	454
GI	5852180	Score	44
Exons	1..92, 321..454		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	4974	Seq. ID	OJ990512_13.9A01.C22
Gene No.	10365	Strand	+
Start	1	End	679
Name	OJ990512_13.9A01.C22.o2.np	Method	AAT/NAP
Start	1	End	679
GI	4680186	Score	300
Exons	1..96, 479..679		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4974	Seq. ID	OJ990512_13.9A01.C22
Gene No.	10366	Strand	-
Start	228	End	612
Name	OJ990512_13.9A01.C22.o1.gp	Method	AAT/GAP
Start	228	End	612
GI	uC-osflcyp033a04b1	Score	666
Exons	228..612		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	4975	Seq. ID	OJ990512_13.9A01.C23
Gene No.	10367	Strand	-
Start	1	End	1913
Name	OJ990512_13.9A01.C23.o1.np	Method	AAT/NAP
Start	1	End	1913
GI	4680179	Score	931
Exons	1..39, 604..803, 831..1913		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4975	Seq. ID	OJ990512_13.9A01.C23
Gene No.	10367	Strand	-
Start	1	End	1913
Name	OJ990512_13.9A01.C23.o1.gs	Method	GENSCAN
Start	213	End	1741
GI	none	Score	.68
Exons	213..1741		

Seq. No.	4975	Seq. ID	OJ990512_13.9A01.C23
Gene No.	10367	Strand	-
Start	1	End	1913
Name	OJ990512_13.9A01.C23.o1.tm	Method	TBLASTX:Maize

Start	264	End	599
GI	none	Score	75
Exons	264..419, 301..423, 420..599		

Seq. No.	4975	Seq. ID	OJ990512_13.9A01.C23
Gene No.	10367	Strand	-
Start	1	End	1913
Name	OJ990512_13.9A01.C23.o4.tw	Method	TBLASTX:Wheat
Start	264	End	405
GI	none	Score	121
Exons	264..404, 265..405		

Seq. No.	4975	Seq. ID	OJ990512_13.9A01.C23
Gene No.	10367	Strand	-
Start	1	End	1913
Name	OJ990512_13.9A01.C23.o1.ts	Method	TBLASTX:Soybean
Start	270	End	545
GI	none	Score	176
Exons	270..509, 271..507, 273..509, 513..545, 513..545		

Seq. No.	4975	Seq. ID	OJ990512_13.9A01.C23
Gene No.	10367	Strand	-
Start	1	End	1913
Name	OJ990512_13.9A01.C23.o1.tw	Method	TBLASTX:Wheat
Start	406	End	714
GI	none	Score	171
Exons	406..612, 411..608, 612..695, 615..698, 616..714		

Seq. No.	4975	Seq. ID	OJ990512_13.9A01.C23
Gene No.	10367	Strand	-
Start	1	End	1913
Name	OJ990512_13.9A01.C23.o2.tw	Method	TBLASTX:Wheat
Start	1104	End	1445
GI	none	Score	34
Exons	1104..1445, 1162..1215, 1250..1333, 1315..1419		

Seq. No.	4975	Seq. ID	OJ990512_13.9A01.C23
Gene No.	10367	Strand	-
Start	1	End	1913
Name	OJ990512_13.9A01.C23.o2.tm	Method	TBLASTX:Maize
Start	1146	End	1445
GI	none	Score	40
Exons	1146..1445, 1150..1215, 1289..1327, 1315..1419		

Seq. No.	4975	Seq. ID	OJ990512_13.9A01.C23
Gene No.	10367	Strand	-
Start	1	End	1913
Name	OJ990512_13.9A01.C23.o3.tw	Method	TBLASTX:Wheat
Start	1497	End	1679
GI	none	Score	129
Exons	1497..1679, 1498..1677		

Seq. No.	4976	Seq. ID	OJ990512_13.9A01.C24
Gene No.	10368	Strand	-
Start	1	End	681
Name	OJ990512_13.9A01.C24.o1.np	Method	AAT/NAP
Start	1	End	681

GI	4512229	Score	974
Exons	1..681		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	4976	Seq. ID	OJ990512_13.9A01.C24
Gene No.	10369	Strand	-
Start	4225	End	5326
Name	OJ990512_13.9A01.C24.o2.np	Method	AAT/NAP
Start	4225	End	5326
GI	4680179	Score	1696
Exons	4225..5326		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	4976	Seq. ID	OJ990512_13.9A01.C24
Gene No.	10369	Strand	-
Start	4225	End	5326
Name	OJ990512_13.9A01.C24.o2.tw	Method	TBLASTX:Wheat
Start	4270	End	4603
GI	none	Score	74
Exons	4270..4602, 4486..4590, 4529..4603		

Seq. No.	4976	Seq. ID	OJ990512_13.9A01.C24
Gene No.	10369	Strand	-
Start	4225	End	5326
Name	OJ990512_13.9A01.C24.o1.tm	Method	TBLASTX:Maize
Start	4465	End	5046
GI	none	Score	179
Exons	4465..4890, 4589..4891, 4888..5046, 4895..5041, 4897..5043		

Seq. No.	4976	Seq. ID	OJ990512_13.9A01.C24
Gene No.	10369	Strand	-
Start	4225	End	5326
Name	OJ990512_13.9A01.C24.o1.tw	Method	TBLASTX:Wheat
Start	4603	End	5229
GI	none	Score	351
Exons	4603..5229, 4604..5227		

Seq. No.	4976	Seq. ID	OJ990512_13.9A01.C24
Gene No.	10369	Strand	-
Start	4225	End	5326
Name	OJ990512_13.9A01.C24.o2.tm	Method	TBLASTX:Maize
Start	5098	End	5326
GI	none	Score	219
Exons	5098..5325, 5102..5326		

Seq. No.	4976	Seq. ID	OJ990512_13.9A01.C24
Gene No.	10369	Strand	-
Start	4225	End	5326
Name	OJ990512_13.9A01.C24.o1.ts	Method	TBLASTX:Soybean
Start	5188	End	5326
GI	none	Score	119
Exons	5188..5325, 5189..5326		

Seq. No.	4977	Seq. ID	OJ990512_13.9A01.C26
Gene No.	10370	Strand	-
Start	1	End	4344
Name	OJ990512_13.9A01.C26.o1.np	Method	AAT/NAP

Start	1	End	1859
GI	1666236	Score	294
Exons	1..748, 1766..1859		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	4977	Seq. ID	OJ990512_13.9A01.C26
Gene No.	10370	Strand	-
Start	1	End	4344
Name	OJ990512_13.9A01.C26.o2.np	Method	AAT/NAP
Start	1	End	4344
GI	2130141	Score	1171
Exons	1..95, 1030..1055, 1140..2686, 2765..3080, 3120..3273, 4249..4344		
GI Descrip.	mudrA protein - maize transposon MuDR gi|540581 (M76978) mudrA [Zea mays] gi|595816 (U14597) mudrA gene product [Zea mays]		

Seq. No.	4977	Seq. ID	OJ990512_13.9A01.C26
Gene No.	10370	Strand	-
Start	1	End	4344
Name	OJ990512_13.9A01.C26.o1.ts	Method	TBLASTX:Soybean
Start	276	End	686
GI	none	Score	59
Exons	276..554, 582..686		

Seq. No.	4977	Seq. ID	OJ990512_13.9A01.C26
Gene No.	10370	Strand	-
Start	1	End	4344
Name	OJ990512_13.9A01.C26.o1.tw	Method	TBLASTX:Wheat
Start	339	End	686
GI	none	Score	96
Exons	339..554, 570..686		

Seq. No.	4977	Seq. ID	OJ990512_13.9A01.C26
Gene No.	10370	Strand	-
Start	1	End	4344
Name	OJ990512_13.9A01.C26.o1.tm	Method	TBLASTX:Maize
Start	1486	End	2231
GI	none	Score	57
Exons	1486..1524, 1491..1526, 1545..1931, 1597..1644, 1714..1902, 1983..2078, 2078..2191, 2187..2231		

Seq. No.	4977	Seq. ID	OJ990512_13.9A01.C26
Gene No.	10370	Strand	-
Start	1	End	4344
Name	OJ990512_13.9A01.C26.o2.tm	Method	TBLASTX:Maize
Start	2292	End	2617
GI	none	Score	96
Exons	2292..2339, 2336..2614, 2337..2507, 2429..2617		

Seq. No.	4978	Seq. ID	OJ990512_13.9A01.C27
Gene No.	10371	Strand	-
Start	266	End	2304
Name	OJ990512_13.9A01.C27.o1.gs	Method	GENSCAN
Start	266	End	2304
GI	none	Score	.59
Exons	266..499, 2226..2304		

Seq. No.	4979	Seq. ID	OJ990512_13.9A01.C28
Gene No.	10372	Strand	-
Start	12	End	188
Name	OJ990512_13.9A01.C28.o1.gs	Method	GENSCAN
Start	12	End	188
GI	none	Score	.97
Exons	12..188		

Seq. No.	4980	Seq. ID	OJ990512_13.9A01.C31
Gene No.	10373	Strand	+
Start	1	End	781
Name	OJ990512_13.9A01.C31.o1.np	Method	AAT/NAP
Start	1	End	781
GI	6907087	Score	195
Exons	1..139, 680..781		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4980	Seq. ID	OJ990512_13.9A01.C31
Gene No.	10374	Strand	-
Start	674	End	3124
Name	OJ990512_13.9A01.C31.o2.gs	Method	GENSCAN
Start	674	End	3123
GI	none	Score	.48
Exons	674..780, 2561..2584, 3027..3123		

Seq. No.	4980	Seq. ID	OJ990512_13.9A01.C31
Gene No.	10374	Strand	-
Start	674	End	3124
Name	OJ990512_13.9A01.C31.o2.np	Method	AAT/NAP
Start	1756	End	3124
GI	6063554	Score	103
Exons	1756..1935, 2556..2609, 3037..3124		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4981	Seq. ID	OJ990512_13.9A01.C32
Gene No.	10375	Strand	-
Start	819	End	1951
Name	OJ990512_13.9A01.C32.o1.np	Method	AAT/NAP
Start	819	End	1951
GI	4680186	Score	196
Exons	819..1006, 1905..1951		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	4982	Seq. ID	OJ990512_13.9A01.C33
Gene No.	10376	Strand	-
Start	1	End	364
Name	OJ990512_13.9A01.C33.o1.np	Method	AAT/NAP
Start	1	End	364
GI	5821432	Score	68
Exons	1..28, 242..364		
GI Descrip.	(AB029060) F1F0-ATPase inhibitor protein [Oryza sativa]		

Seq. No.	4983	Seq. ID	OJ990512_13.9A01.C34

Gene No.	10377	Strand	-
Start	1	End	245
Name	OJ990512_13.9A01.C34.o1.np	Method	AAT/NAP
Start	1	End	245
GI	6175164	Score	114
Exons	1..135, 223..245		
GI Descrip.	(AC011437) putative tryptophanyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	4983	Seq. ID	OJ990512_13.9A01.C34
Gene No.	10377	Strand	-
Start	1	End	245
Name	OJ990512_13.9A01.C34.o1.gs	Method	GENSCAN
Start	25	End	117
GI	none	Score	.77
Exons	25..117		

Seq. No.	4984	Seq. ID	OJ990512_13.9A01.C35
Gene No.	10378	Strand	+
Start	64	End	109
Name	OJ990512_13.9A01.C35.o1.gs	Method	GENSCAN
Start	64	End	109
GI	none	Score	.82
Exons	64..109		

Seq. No.	4985	Seq. ID	OJ990512_13.9A01.C37
Gene No.	10379	Strand	+
Start	1	End	205
Name	OJ990512_13.9A01.C37.o1.np	Method	AAT/NAP
Start	1	End	205
GI	6063554	Score	94
Exons	1..205		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	4986	Seq. ID	OJ990512_13.9A01.C38
Gene No.	10380	Strand	-
Start	298	End	595
Name	OJ990512_13.9A01.C38.o1.gs	Method	GENSCAN
Start	298	End	595
GI	none	Score	.76
Exons	298..595		

Seq. No.	4987	Seq. ID	OJ990412_12.9A01.C5
Gene No.	10381	Strand	-
Start	32	End	107
Name	OJ990412_12.9A01.C5.o1.gs	Method	GENSCAN
Start	32	End	107
GI	none	Score	.84
Exons	32..107		

Seq. No.	4988	Seq. ID	OJ990412_12.9A01.C6
Gene No.	10382	Strand	+
Start	89	End	175
Name	OJ990412_12.9A01.C6.o1.gs	Method	GENSCAN
Start	89	End	175

GI	none	Score	.85
Exons	89..175		

Seq. No.	4989	Seq. ID	OJ990412_12.9A01.C7
Gene No.	10383	Strand	+
Start	377	End	553
Name	OJ990412_12.9A01.C7.o1.gs	Method	GENSCAN
Start	377	End	553
GI	none	Score	.62
Exons	377..553		

Seq. No.	4990	Seq. ID	OJ990412_12.9A01.C8
Gene No.	10384	Strand	-
Start	213	End	386
Name	OJ990412_12.9A01.C8.o1.gs	Method	GENSCAN
Start	213	End	386
GI	none	Score	.57
Exons	213..386		

Seq. No.	4991	Seq. ID	OJ990412_12.9A01.C9
Gene No.	10385	Strand	-
Start	745	End	1424
Name	OJ990412_12.9A01.C9.o1.np	Method	AAT/NAP
Start	745	End	1424
GI	6539553	Score	1109
Exons	745..1424		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	4991	Seq. ID	OJ990412_12.9A01.C9
Gene No.	10385	Strand	-
Start	745	End	1424
Name	OJ990412_12.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	881	End	1357
GI	none	Score	339
Exons	881..1267, 882..1265, 919..1266, 1282..1356, 1284..1355, 1286..1357		

Seq. No.	4991	Seq. ID	OJ990412_12.9A01.C9
Gene No.	10385	Strand	-
Start	745	End	1424
Name	OJ990412_12.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	1009	End	1350
GI	none	Score	72
Exons	1009..1218, 1100..1213, 1237..1350, 1244..1318		

Seq. No.	4991	Seq. ID	OJ990412_12.9A01.C9
Gene No.	10385	Strand	-
Start	745	End	1424
Name	OJ990412_12.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	1213	End	1424
GI	none	Score	162
Exons	1213..1422, 1214..1408, 1228..1422, 1236..1424		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10

Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o1.np	Method	AAT/NAP
Start	1	End	2885
GI	6539553	Score	5035
Exons	1..2885		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	12	End	476
GI	5509260	Score	58
Exons	12..476, 31..90, 163..258, 307..375		
GI Descrip.	-		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o3.tw	Method	TBLASTX:Wheat
Start	12	End	341
GI	none	Score	90
Exons	12..341, 21..194		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o3.tm	Method	TBLASTX:Maize
Start	24	End	342
GI	none	Score	85
Exons	24..206, 30..341, 160..342		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o1.tc	Method	TBLASTX:Cress
Start	123	End	383
GI	none	Score	62
Exons	123..383, 304..381		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	396	End	1151
GI	none	Score	200
Exons	396..635, 397..555, 413..643, 416..613, 664..1143, 687..1151		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o2.tc	Method	TBLASTX:Cress
Start	777	End	1166

GI	none	Score	112
Exons	777..971, 984..1166		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o2.ts	Method	TBLASTX:Soybean
Start	801	End	1199
GI	none	Score	38
Exons	801..974, 928..966, 975..1199, 1020..1190, 1021..1191		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o4.tm	Method	TBLASTX:Maize
Start	987	End	1421
GI	none	Score	84
Exons	987..1421, 1012..1212		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o4.tw	Method	TBLASTX:Wheat
Start	1152	End	1344
GI	none	Score	186
Exons	1152..1343, 1152..1343, 1273..1344		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o3.ts	Method	TBLASTX:Soybean
Start	1209	End	1595
GI	none	Score	88
Exons	1209..1457, 1440..1595		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	1622	End	1944
GI	none	Score	395
Exons	1622..1789, 1623..1937, 1624..1917, 1690..1944		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	2445	End	2756
GI	none	Score	191
Exons	2445..2756, 2448..2705, 2518..2748		

Seq. No.	4992	Seq. ID	OJ990412_12.9A01.C10
Gene No.	10386	Strand	-
Start	1	End	2891
Name	OJ990412_12.9A01.C10.o2.tw	Method	TBLASTX:Wheat
Start	2504	End	2891
GI	none	Score	125

Exons	2504..2656, 2505..2891, 2508..2708, 2518..2880		
Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10387	Strand	+
Start	1195	End	6001
Name	OJ990412_12.9A01.C11.o2.np	Method	AAT/NAP
Start	1195	End	6001
GI	6630696	Score	991
Exons	1195..1218, 5306..6001		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10388	Strand	-
Start	1702	End	3306
Name	OJ990412_12.9A01.C11.o1.gs	Method	GENSCAN
Start	1702	End	2694
GI	none	Score	.65
Exons	1702..2694		
Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10388	Strand	-
Start	1702	End	3306
Name	OJ990412_12.9A01.C11.o1.np	Method	AAT/NAP
Start	1711	End	3294
GI	1345785	Score	953
Exons	1711..2702, 3116..3294		
GI Descrip.	CHALCONE SYNTHASE 1 (NARINGENIN-CHALCONE SYNTHASE 1) gi|567935|dbj|BAA05640| (D26593) chalcone synthase [Camellia sinensis]		
Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10388	Strand	-
Start	1702	End	3306
Name	OJ990412_12.9A01.C11.o2.gs	Method	GENSCAN
Start	3106	End	3306
GI	none	Score	.78
Exons	3106..3306		
Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10389	Strand	-
Start	7082	End	7785
Name	OJ990412_12.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	1714	End	3280
GI	none	Score	49
Exons	1714..1794, 1727..1795, 1807..1977, 1847..1975, 2041..2535, 2273..2533, 2599..2688, 3114..3155, 3158..3280, 3160..3279		
Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10389	Strand	-
Start	7082	End	7785
Name	OJ990412_12.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	1720	End	3285
GI	none	Score	58
Exons	1720..1803, 1724..1795, 1750..1977, 1841..1975, 2047..2187, 2060..2170, 2236..2535, 2273..2326, 2387..2533, 2599..2688,		

3114..3155, 3118..3156, 3158..3259, 3160..3285

Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10389	Strand	-
Start	7082	End	7785
Name	OJ990412_12.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	1720	End	3312
GI	none	Score	48
Exons	1720..1803, 1727..1795, 1750..1977, 1841..1975, 2041..2187, 2236..2535, 2237..2533, 2593..2676, 2599..2688, 3114..3155, 3158..3262, 3163..3312, 3166..3312		

Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10389	Strand	-
Start	7082	End	7785
Name	OJ990412_12.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	5338	End	5533
GI	none	Score	217
Exons	5338..5532, 5339..5533, 5339..5533		

Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10389	Strand	-
Start	7082	End	7785
Name	OJ990412_12.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	5378	End	5752
GI	none	Score	109
Exons	5378..5509, 5528..5752		

Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10389	Strand	-
Start	7082	End	7785
Name	OJ990412_12.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	5389	End	5865
GI	none	Score	97
Exons	5389..5463, 5390..5464, 5390..5470, 5479..5865, 5480..5863, 5485..5865		

Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10389	Strand	-
Start	7082	End	7785
Name	OJ990412_12.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	6144	End	6500
GI	none	Score	73
Exons	6144..6176, 6186..6281, 6214..6282, 6221..6283, 6283..6360, 6285..6353, 6287..6361, 6311..6460, 6359..6472, 6369..6476, 6468..6500		

Seq. No.	4993	Seq. ID	OJ990412_12.9A01.C11
Gene No.	10389	Strand	-
Start	7082	End	7785
Name	OJ990412_12.9A01.C11.o3.gs	Method	GENSCAN
Start	7082	End	7785
GI	none	Score	.61
Exons	7082..7182, 7725..7785		

Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10390	Strand	+

Start	3529	End	8707
Name	OJ990412_12.9A01.C12.o1.gs	Method	GENSCAN
Start	3529	End	8707
GI	none	Score	.49
Exons	3529..3567, 5649..5758, 7629..7763, 8581..8707		

Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10391	Strand	+
Start	10242	End	10877
Name	OJ990412_12.9A01.C12.o2.gs	Method	GENSCAN
Start	10242	End	10877
GI	none	Score	.61
Exons	10242..10877		

Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10392	Strand	+
Start	12156	End	13150
Name	OJ990412_12.9A01.C12.o3.np	Method	AAT/NAP
Start	12144	End	13150
GI	2586082	Score	741
Exons	12144..13150		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10392	Strand	+
Start	12156	End	13150
Name	OJ990412_12.9A01.C12.o3.gs	Method	GENSCAN
Start	12156	End	13102
GI	none	Score	.73
Exons	12156..13102		

Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10393	Strand	-
Start	10129	End	10698
Name	OJ990412_12.9A01.C12.o1.np	Method	AAT/NAP
Start	10129	End	10698
GI	6678139	Score	106
Exons	10129..10698		
GI Descrip.	simple repeat sequence-containing transcript gi|730888|sp|Q06666|T2_MOUSE OCTAPEPTIDE-REPEAT PROTEIN T2 gi|296382|emb|CAA48048| (X67863) T2 [Mus musculus]		

Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10394	Strand	-
Start	11387	End	13150
Name	OJ990412_12.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	11197	End	11566
GI	none	Score	128
Exons	11197..11241, 11340..11528, 11345..11521, 11345..11566, 11469..11555		

Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10394	Strand	-
Start	11387	End	13150
Name	OJ990412_12.9A01.C12.o2.np	Method	AAT/NAP
Start	11387	End	13150
GI	6705984	Score	164

Exons	11387..11585, 13068..13150		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		
Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10394	Strand	-
Start	11387	End	13150
Name	OJ990412_12.9A01.C12.o1.tw	Method	TBLASTX:Wheat
Start	12162	End	12539
GI	none	Score	229
Exons	12162..12539		
Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10394	Strand	-
Start	11387	End	13150
Name	OJ990412_12.9A01.C12.o1.tc	Method	TBLASTX:Cress
Start	12216	End	12737
GI	none	Score	79
Exons	12216..12344, 12363..12737		
Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10394	Strand	-
Start	11387	End	13150
Name	OJ990412_12.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	12239	End	12659
GI	none	Score	117
Exons	12239..12349, 12240..12350, 12363..12659, 12413..12652		
Seq. No.	4994	Seq. ID	OJ990412_12.9A01.C12
Gene No.	10394	Strand	-
Start	11387	End	13150
Name	OJ990412_12.9A01.C12.o2.tw	Method	TBLASTX:Wheat
Start	12540	End	12824
GI	none	Score	187
Exons	12540..12824, 12555..12698		
Seq. No.	4995	Seq. ID	OJ990412_12.9A01.C13
Gene No.	10395	Strand	+
Start	1	End	633
Name	OJ990412_12.9A01.C13.o1.np	Method	AAT/NAP
Start	1	End	633
GI	2586082	Score	476
Exons	1..633		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		
Seq. No.	4995	Seq. ID	OJ990412_12.9A01.C13
Gene No.	10395	Strand	+
Start	1	End	633
Name	OJ990412_12.9A01.C13.o1.gs	Method	GENSCAN
Start	1	End	623
GI	none	Score	.59
Exons	1..623		
Seq. No.	4996	Seq. ID	OJ990412_12.9A01.C14
Gene No.	10396	Strand	+
Start	1	End	1016
Name	OJ990412_12.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	674

GI	3335354	Score	140
Exons	1..261, 346..674		
GI Descrip.	(AC004512) This gene is continued from gene F5I14.1 from BAC sequence gb|AC001229 from A. thaliana. EST gb|AA585814 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	4996	Seq. ID	OJ990412_12.9A01.C14
Gene No.	10396	Strand	+
Start	1	End	1016
Name	OJ990412_12.9A01.C14.o1.gs	Method	GENSCAN
Start	112	End	713
GI	none	Score	.5
Exons	112..261, 561..713		

Seq. No.	4996	Seq. ID	OJ990412_12.9A01.C14
Gene No.	10396	Strand	+
Start	1	End	1016
Name	OJ990412_12.9A01.C14.o1.gp	Method	AAT/GAP
Start	418	End	1016
GI	2796953	Score	327
Exons	418..483, 561..606, 937..1016		

Seq. No.	4997	Seq. ID	OJ990412_12.9A01.C15
Gene No.	10397	Strand	-
Start	101	End	549
Name	OJ990412_12.9A01.C15.o1.np	Method	AAT/NAP
Start	101	End	549
GI	132790	Score	242
Exons	101..549		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L22 gi|71290|pir||R5RZ22 ribosomal protein L22 - rice chloroplast gi|12026|emb|CAA33935| (X15901) ribosomal protein L22 [Oryza sativa] gi|226647|prf||1603356BX ribosomal protein L22 [Oryza sativa]		

Seq. No.	4997	Seq. ID	OJ990412_12.9A01.C15
Gene No.	10398	Strand	-
Start	1282	End	1858
Name	OJ990412_12.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	228	End	549
GI	none	Score	81
Exons	228..296, 230..310, 230..298, 231..299, 308..352, 311..352, 369..428, 373..408, 373..426, 388..480, 428..502, 429..512, 499..540, 505..549		

Seq. No.	4997	Seq. ID	OJ990412_12.9A01.C15
Gene No.	10398	Strand	-
Start	1282	End	1858
Name	OJ990412_12.9A01.C15.o1.tw	Method	TBLASTX:Wheat
Start	228	End	480
GI	none	Score	81
Exons	228..296, 229..309, 230..298, 231..299, 235..309, 308..352, 311..352, 358..480, 373..408, 373..429, 429..479, 430..480		

Seq. No.	4997	Seq. ID	OJ990412_12.9A01.C15
Gene No.	10398	Strand	-
Start	1282	End	1858
Name	OJ990412_12.9A01.C15.o1.gs	Method	GENSCAN

Start	1282	End	1858
GI	none	Score	.55
Exons	1282..1412, 1750..1858		

Seq. No.	4998	Seq. ID	OJ990412_12.9A01.C16
Gene No.	10399	Strand	+
Start	1	End	4334
Name	OJ990412_12.9A01.C16.o1.np	Method	AAT/NAP
Start	1	End	4334
GI	5852175	Score	110
Exons	1..27, 942..1019, 1505..1555, 2162..2281, 4261..4334		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	4998	Seq. ID	OJ990412_12.9A01.C16
Gene No.	10400	Strand	-
Start	891	End	3252
Name	OJ990412_12.9A01.C16.o2.np	Method	AAT/NAP
Start	891	End	3252
GI	5922634	Score	84
Exons	891..916, 3151..3252		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	4999	Seq. ID	OJ990412_12.9A01.C17
Gene No.	10401	Strand	-
Start	465	End	737
Name	OJ990412_12.9A01.C17.o1.gs	Method	GENSCAN
Start	465	End	737
GI	none	Score	.75
Exons	465..737		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o1.np	Method	AAT/NAP
Start	1	End	2538
GI	2586082	Score	2819
Exons	1..571, 599..2538		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o1.tc	Method	TBLASTX:Cress
Start	1	End	417
GI	none	Score	311
Exons	1..417		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o3.ts	Method	TBLASTX:Soybean
Start	7	End	399
GI	none	Score	270
Exons	7..399, 150..332, 271..396		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o3.tw	Method	TBLASTX:Wheat
Start	70	End	455
GI	none	Score	282
Exons	70..405, 73..408, 150..455		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o3.tm	Method	TBLASTX:Maize
Start	73	End	396
GI	none	Score	281
Exons	73..396, 174..347		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o1.gs	Method	GENSCAN
Start	91	End	2541
GI	none	Score	1
Exons	91..2541		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o2.ts	Method	TBLASTX:Soybean
Start	1009	End	1509
GI	5509260	Score	418
Exons	1009..1509, 1131..1295, 1337..1468		
GI Descrip.	-		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o5.tm	Method	TBLASTX:Maize
Start	1056	End	1308
GI	none	Score	219
Exons	1056..1307, 1057..1308		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o3.tc	Method	TBLASTX:Cress
Start	1113	End	1395
GI	none	Score	94
Exons	1113..1394, 1118..1183, 1125..1376, 1126..1395, 1205..1387		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o2.tw	Method	TBLASTX:Wheat
Start	1176	End	1689
GI	none	Score	291
Exons	1176..1304, 1177..1521, 1337..1402, 1513..1689		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o1.tm	Method	TBLASTX:Maize
Start	1309	End	1755
GI	none	Score	403
Exons	1309..1755		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o4.tc	Method	TBLASTX:Cress
Start	1576	End	1824
GI	none	Score	196
Exons	1576..1824, 1576..1716, 1752..1823		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o1.tw	Method	TBLASTX:Wheat
Start	1690	End	2127
GI	none	Score	473
Exons	1690..2127, 1695..2126		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o4.tm	Method	TBLASTX:Maize
Start	1824	End	2016
GI	none	Score	279
Exons	1824..2015, 1825..2016		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o2.tc	Method	TBLASTX:Cress
Start	1870	End	2514
GI	none	Score	124
Exons	1870..2073, 2083..2154, 2164..2286, 2320..2514		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o1.ts	Method	TBLASTX:Soybean
Start	1891	End	2568
GI	none	Score	546
Exons	1891..2505, 1893..2018, 2085..2495, 2539..2568		

Seq. No.	5000	Seq. ID	OJ990412_12.9A01.C18
Gene No.	10402	Strand	+
Start	1	End	2568
Name	OJ990412_12.9A01.C18.o2.tm	Method	TBLASTX:Maize
Start	2017	End	2481
GI	none	Score	42
Exons	2017..2079, 2058..2192, 2059..2187, 2192..2470, 2193..2480, 2194..2481		

Seq. No.	5001	Seq. ID	OJ990412_12.9A01.C19
Gene No.	10403	Strand	+
Start	157	End	550
Name	OJ990412_12.9A01.C19.o1.gs	Method	GENSCAN
Start	157	End	550
GI	none	Score	.59
Exons	157..241, 258..550		

Seq. No.	5002	Seq. ID	OJ990412_12.9A01.C21
Gene No.	10404	Strand	+
Start	494	End	565
Name	OJ990412_12.9A01.C21.o1.gp	Method	AAT/GAP
Start	494	End	565
GI	LIB3477-003-P1-K1-E9	Score	100
Exons	494..565		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5002	Seq. ID	OJ990412_12.9A01.C21
Gene No.	10405	Strand	-
Start	249	End	3767
Name	OJ990412_12.9A01.C21.o1.gs	Method	GENSCAN
Start	249	End	2796
GI	none	Score	.78
Exons	249..350, 814..927, 1208..1344, 1651..1738, 1827..1958, 2487..2579, 2678..2796		

Seq. No.	5002	Seq. ID	OJ990412_12.9A01.C21
Gene No.	10405	Strand	-
Start	249	End	3767
Name	OJ990412_12.9A01.C21.o1.np	Method	AAT/NAP
Start	725	End	3767
GI	6433991	Score	142
Exons	725..751, 1822..1969, 2043..2130, 2482..2579, 2678..2790, 3707..3767		
GI Descrip.	(AL132798) mak16-like protein [Schizosaccharomyces pombe]		

Seq. No.	5002	Seq. ID	OJ990412_12.9A01.C21
Gene No.	10405	Strand	-
Start	249	End	3767
Name	OJ990412_12.9A01.C21.o1.tm	Method	TBLASTX:Maize
Start	1212	End	2801
GI	none	Score	35
Exons	1212..1241, 1217..1327, 1228..1308, 1666..1740, 1667..1738, 1931..1966, 2036..2119, 2049..2147, 2052..2129, 2053..2136, 2478..2579, 2481..2579, 2482..2580, 2661..2801, 2678..2797		

Seq. No.	5002	Seq. ID	OJ990412_12.9A01.C21
Gene No.	10405	Strand	-
Start	249	End	3767
Name	OJ990412_12.9A01.C21.o1.ts	Method	TBLASTX:Soybean
Start	1212	End	2801
GI	none	Score	35
Exons	1212..1241, 1217..1327, 1228..1308, 1666..1740, 1667..1738, 1931..1966, 2036..2119, 2049..2147, 2052..2129, 2053..2136, 2478..2579, 2481..2579, 2482..2580, 2661..2801, 2678..2797		

Seq. No.	5002	Seq. ID	OJ990412_12.9A01.C21
Gene No.	10405	Strand	-
Start	249	End	3767
Name	OJ990412_12.9A01.C21.o2.gp	Method	AAT/GAP
Start	2482	End	2579
GI	427797	Score	146
Exons	2482..2579		
GI Descrip.	1109826/gb|AAB47596.1| 3.0e-16 (U41534) similar to yeast MAK16 protein (SP:MK16_YEAST,P10962) [Caenorhabditis elegans]		

Seq. No.	5003	Seq. ID	OJ990412_12.9A01.C22
Gene No.	10406	Strand	-
Start	1	End	1066
Name	OJ990412_12.9A01.C22.o1.np	Method	AAT/NAP
Start	1	End	561
GI	6433991	Score	125
Exons	1..72, 292..401, 500..561		
GI Descrip.	(AL132798) mak16-like protein [Schizosaccharomyces pombe]		

Seq. No.	5003	Seq. ID	OJ990412_12.9A01.C22
Gene No.	10406	Strand	-
Start	1	End	1066
Name	OJ990412_12.9A01.C22.o1.gs	Method	GENSCAN
Start	247	End	1066
GI	none	Score	.83
Exons	247..401, 613..713, 960..1066		

Seq. No.	5003	Seq. ID	OJ990412_12.9A01.C22
Gene No.	10406	Strand	-
Start	1	End	1066
Name	OJ990412_12.9A01.C22.o1.tm	Method	TBLASTX:Maize
Start	284	End	585
GI	none	Score	135
Exons	284..412, 288..404, 494..553, 499..585		

Seq. No.	5003	Seq. ID	OJ990412_12.9A01.C22
Gene No.	10406	Strand	-
Start	1	End	1066
Name	OJ990412_12.9A01.C22.o1.ts	Method	TBLASTX:Soybean
Start	284	End	585
GI	none	Score	135
Exons	284..412, 288..404, 494..553, 499..585		

Seq. No.	5004	Seq. ID	OJ990412_12.9A01.C23
Gene No.	10407	Strand	+
Start	1620	End	2406
Name	OJ990412_12.9A01.C23.o2.np	Method	AAT/NAP
Start	1620	End	2362
GI	5295955	Score	125
Exons	1620..1709, 2249..2362		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	5004	Seq. ID	OJ990412_12.9A01.C23
Gene No.	10407	Strand	+
Start	1620	End	2406

Name	OJ990412_12.9A01.C23.o3.np	Method	AAT/NAP
Start	1638	End	2406
GI	4680183	Score	129
Exons	1638..1709, 2315..2406		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5004	Seq. ID	OJ990412_12.9A01.C23
Gene No.	10408	Strand	-
Start	1	End	2554
Name	OJ990412_12.9A01.C23.o1.np	Method	AAT/NAP
Start	1	End	2554
GI	4680181	Score	167
Exons	1..133, 182..250, 1213..1405, 2514..2554		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5004	Seq. ID	OJ990412_12.9A01.C23
Gene No.	10408	Strand	-
Start	1	End	2554
Name	OJ990412_12.9A01.C23.o1.gs	Method	GENSCAN
Start	35	End	2284
GI	none	Score	.61
Exons	35..304, 413..601, 811..1118, 1155..1321, 2180..2284		

Seq. No.	5004	Seq. ID	OJ990412_12.9A01.C23
Gene No.	10408	Strand	-
Start	1	End	2554
Name	OJ990412_12.9A01.C23.o1.tm	Method	TBLASTX:Maize
Start	1226	End	1430
GI	none	Score	109
Exons	1226..1429, 1227..1430		

Seq. No.	5005	Seq. ID	OJ990412_12.9A01.C24
Gene No.	10409	Strand	+
Start	1	End	2279
Name	OJ990412_12.9A01.C24.o1.np	Method	AAT/NAP
Start	1	End	2279
GI	5295955	Score	465
Exons	1..106, 252..374, 1058..1259, 1309..1485, 1606..2143, 2172..2279		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	5005	Seq. ID	OJ990412_12.9A01.C24
Gene No.	10409	Strand	+
Start	1	End	2279
Name	OJ990412_12.9A01.C24.o1.gs	Method	GENSCAN
Start	197	End	1589
GI	none	Score	.54
Exons	197..315, 1063..1187, 1291..1589		

Seq. No.	5005	Seq. ID	OJ990412_12.9A01.C24
Gene No.	10410	Strand	-
Start	2538	End	3637
Name	OJ990412_12.9A01.C24.o2.np	Method	AAT/NAP
Start	2532	End	2704
GI	4680181	Score	97
Exons	2532..2704		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5005	Seq. ID	OJ990412_12.9A01.C24
Gene No.	10410	Strand	-
Start	2538	End	3637
Name	OJ990412_12.9A01.C24.o2.gs	Method	GENSCAN
Start	2538	End	3637
GI	none	Score	.81
Exons	2538..2607, 3576..3637		

Seq. No.	5006	Seq. ID	OJ990412_12.9A01.C28
Gene No.	10411	Strand	-
Start	60	End	597
Name	OJ990412_12.9A01.C28.o1.gs	Method	GENSCAN
Start	60	End	597
GI	none	Score	.54
Exons	60..132, 217..362, 424..597		

Seq. No.	5007	Seq. ID	OJ990412_12.9A01.C29
Gene No.	10412	Strand	-
Start	1	End	2899
Name	OJ990412_12.9A01.C29.o1.np	Method	AAT/NAP
Start	1	End	2899
GI	4680204	Score	972
Exons	1..215, 325..1424, 1499..2899		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5007	Seq. ID	OJ990412_12.9A01.C29
Gene No.	10412	Strand	-
Start	1	End	2899
Name	OJ990412_12.9A01.C29.o1.gs	Method	GENSCAN
Start	42	End	2884
GI	none	Score	.67
Exons	42..215, 325..1010, 1012..1157, 1283..1424, 1499..1618, 1664..2884		

Seq. No.	5007	Seq. ID	OJ990412_12.9A01.C29
Gene No.	10412	Strand	-
Start	1	End	2899
Name	OJ990412_12.9A01.C29.o1.tw	Method	TBLASTX:Wheat
Start	1889	End	2292
GI	none	Score	42
Exons	1889..1984, 1889..2059, 2022..2189, 2054..2290, 2141..2290, 2152..2292, 2182..2292		

Seq. No.	5008	Seq. ID	OJ990412_12.9A01.C30
Gene No.	10413	Strand	-
Start	1	End	2550
Name	OJ990412_12.9A01.C30.o1.gp	Method	AAT/GAP
Start	1	End	2550
GI	342_1.R1084	Score	4166
Exons	1..2550		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5008	Seq. ID	OJ990412_12.9A01.C30
Gene No.	10413	Strand	-
Start	1	End	2550

Name	OJ990412_12.9A01.C30.o1.tw	Method	TBLASTX:Wheat
Start	590	End	1907
GI	none	Score	52
Exons	590..682, 591..656, 671..751, 761..874, 763..855, 764..904, 765..905, 852..947, 884..943, 950..994, 955..990, 989..1906, 1005..1907		

Seq. No.	5008	Seq. ID	OJ990412_12.9A01.C30
Gene No.	10413	Strand	-
Start	1	End	2550
Name	OJ990412_12.9A01.C30.o1.np	Method	AAT/NAP
Start	1074	End	2550
GI	6742729	Score	2349
Exons	1074..2550		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	5008	Seq. ID	OJ990412_12.9A01.C30
Gene No.	10413	Strand	-
Start	1	End	2550
Name	OJ990412_12.9A01.C30.o1.tc	Method	TBLASTX:Cress
Start	1171	End	1623
GI	none	Score	190
Exons	1171..1422, 1172..1609, 1172..1615, 1176..1619, 1182..1619, 1441..1623		

Seq. No.	5008	Seq. ID	OJ990412_12.9A01.C30
Gene No.	10413	Strand	-
Start	1	End	2550
Name	OJ990412_12.9A01.C30.o1.tm	Method	TBLASTX:Maize
Start	1550	End	1864
GI	none	Score	68
Exons	1550..1780, 1550..1864, 1578..1853		

Seq. No.	5008	Seq. ID	OJ990412_12.9A01.C30
Gene No.	10413	Strand	-
Start	1	End	2550
Name	OJ990412_12.9A01.C30.o2.tw	Method	TBLASTX:Wheat
Start	1908	End	2318
GI	none	Score	81
Exons	1908..1994, 1910..1999, 1910..1993, 2026..2238, 2027..2245, 2067..2249, 2255..2317, 2268..2318		

Seq. No.	5009	Seq. ID	OJ990412_12.9A01.C31
Gene No.	10414	Strand	+
Start	2622	End	3142
Name	OJ990412_12.9A01.C31.o2.gp	Method	AAT/GAP
Start	2622	End	3142
GI	LIB3434-038-P1-K1-F1	Score	745
Exons	2622..3142		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5009	Seq. ID	OJ990412_12.9A01.C31
Gene No.	10415	Strand	+
Start	4758	End	5509
Name	OJ990412_12.9A01.C31.o3.gs	Method	GENSCAN
Start	4758	End	5509

GI	none	Score	.65
Exons	4758..4832, 5063..5509		

Seq. No.	5009	Seq. ID	OJ990412_12.9A01.C31
Gene No.	10416	Strand	-
Start	1977	End	2162
Name	OJ990412_12.9A01.C31.o1.gp	Method	AAT/GAP
Start	1977	End	2162
GI	6025105	Score	258
Exons	1977..2162		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	5009	Seq. ID	OJ990412_12.9A01.C31
Gene No.	10417	Strand	-
Start	3956	End	4267
Name	OJ990412_12.9A01.C31.o2.gs	Method	GENSCAN
Start	3956	End	4267
GI	none	Score	.68
Exons	3956..4267		

Seq. No.	5009	Seq. ID	OJ990412_12.9A01.C31
Gene No.	10418	Strand	-
Start	6641	End	6955
Name	OJ990412_12.9A01.C31.o4.gs	Method	GENSCAN
Start	6641	End	6955
GI	none	Score	.63
Exons	6641..6680, 6745..6837, 6879..6955		

Seq. No.	5010	Seq. ID	OJ990412_12.9A01.C32
Gene No.	10419	Strand	-
Start	2285	End	3688
Name	OJ990412_12.9A01.C32.o1.gs	Method	GENSCAN
Start	2285	End	3688
GI	none	Score	1
Exons	2285..3688		

Seq. No.	5011	Seq. ID	OJ990412_12.9A01.C37
Gene No.	10420	Strand	-
Start	1	End	678
Name	OJ990412_12.9A01.C37.o1.np	Method	AAT/NAP
Start	1	End	229
GI	5852182	Score	236
Exons	1..229		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	5011	Seq. ID	OJ990412_12.9A01.C37
Gene No.	10420	Strand	-
Start	1	End	678
Name	OJ990412_12.9A01.C37.o1.gp	Method	AAT/GAP
Start	90	End	678
GI	2310235	Score	301
Exons	90..229, 641..678		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	5011	Seq. ID	OJ990412_12.9A01.C37

Gene No.	10421	Strand	-
Start	1016	End	2224
Name	OJ990412_12.9A01.C37.o1.gs	Method	GENSCAN
Start	1016	End	2224
GI	none	Score	.52
Exons	1016..1216, 2054..2132, 2178..2224		

Seq. No.	5012	Seq. ID	OJ990412_12.9A01.C39
Gene No.	10422	Strand	+
Start	4369	End	8049
Name	OJ990412_12.9A01.C39.o1.np	Method	AAT/NAP
Start	4369	End	8049
GI	2224931	Score	116
Exons	4369..4412, 5864..6185, 7974..8049		
GI Descrip.	(AF004215) ethylene-insensitive3-like3 [Arabidopsis thaliana] gi|6692737|gb|AAF24843.1|AC012679_14 (AC012679) ethylene-insensitive3-like3 (EIL3) [Arabidopsis thaliana]		

Seq. No.	5013	Seq. ID	OJ990412_12.9A01.C40
Gene No.	10423	Strand	-
Start	412	End	7873
Name	OJ990412_12.9A01.C40.o1.gs	Method	GENSCAN
Start	412	End	7873
GI	none	Score	.51
Exons	412..440, 1121..1225, 1758..1850, 2054..2180, 5198..5300, 5599..5706, 6453..6592, 7712..7873		

Seq. No.	5014	Seq. ID	OJ990412_12.9A01.C42
Gene No.	10424	Strand	+
Start	120	End	1971
Name	OJ990412_12.9A01.C42.o1.gs	Method	GENSCAN
Start	120	End	1971
GI	none	Score	.74
Exons	120..264, 1060..1194, 1925..1971		

Seq. No.	5014	Seq. ID	OJ990412_12.9A01.C42
Gene No.	10425	Strand	-
Start	2730	End	2862
Name	OJ990412_12.9A01.C42.o2.gs	Method	GENSCAN
Start	2730	End	2862
GI	none	Score	.92
Exons	2730..2862		

Seq. No.	5015	Seq. ID	OJ990412_12.9A01.C43
Gene No.	10426	Strand	-
Start	1	End	722
Name	OJ990412_12.9A01.C43.o1.np	Method	AAT/NAP
Start	1	End	722
GI	6539553	Score	1145
Exons	1..722		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	5015	Seq. ID	OJ990412_12.9A01.C43
Gene No.	10426	Strand	-

Start	1	End	722
Name	OJ990412_12.9A01.C43.o1.tw	Method	TBLASTX:Wheat
Start	56	End	520
GI	none	Score	397
Exons	56..520, 57..512		

Seq. No.	5015	Seq. ID	OJ990412_12.9A01.C43
Gene No.	10426	Strand	-
Start	1	End	722
Name	OJ990412_12.9A01.C43.o1.tc	Method	TBLASTX:Cress
Start	146	End	535
GI	none	Score	112
Exons	146..340, 353..535		

Seq. No.	5015	Seq. ID	OJ990412_12.9A01.C43
Gene No.	10426	Strand	-
Start	1	End	722
Name	OJ990412_12.9A01.C43.o1.gs	Method	GENSCAN
Start	149	End	359
GI	none	Score	.67
Exons	149..359		

Seq. No.	5015	Seq. ID	OJ990412_12.9A01.C43
Gene No.	10426	Strand	-
Start	1	End	722
Name	OJ990412_12.9A01.C43.o1.tm	Method	TBLASTX:Maize
Start	170	End	619
GI	none	Score	63
Exons	170..337, 356..619, 380..541, 390..575		

Seq. No.	5015	Seq. ID	OJ990412_12.9A01.C43
Gene No.	10426	Strand	-
Start	1	End	722
Name	OJ990412_12.9A01.C43.o1.ts	Method	TBLASTX:Soybean
Start	170	End	568
GI	none	Score	38
Exons	170..343, 297..335, 344..568, 390..560		

Seq. No.	5016	Seq. ID	OJ990412_12.9A01.C45
Gene No.	10427	Strand	-
Start	172	End	592
Name	OJ990412_12.9A01.C45.o1.tm	Method	TBLASTX:Maize
Start	59	End	229
GI	none	Score	157
Exons	59..229, 60..212, 62..223		

Seq. No.	5016	Seq. ID	OJ990412_12.9A01.C45
Gene No.	10427	Strand	-
Start	172	End	592
Name	OJ990412_12.9A01.C45.o1.gs	Method	GENSCAN
Start	172	End	592
GI	none	Score	.92
Exons	172..592		

Seq. No.	5017	Seq. ID	OJ990412_12.9A01.C47
Gene No.	10428	Strand	-
Start	1	End	622

Name	OJ990412_12.9A01.C47.o1.np	Method	AAT/NAP
Start	1	End	622
GI	6742729	Score	610
Exons	1..622		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	5017	Seq. ID	OJ990412_12.9A01.C47
Gene No.	10428	Strand	-
Start	1	End	622
Name	OJ990412_12.9A01.C47.o1.gp	Method	AAT/GAP
Start	39	End	421
GI	342_1.R1084	Score	662
Exons	39..421		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5017	Seq. ID	OJ990412_12.9A01.C47
Gene No.	10428	Strand	-
Start	1	End	622
Name	OJ990412_12.9A01.C47.o1.tm	Method	TBLASTX:Maize
Start	41	End	349
GI	none	Score	65
Exons	41..349, 56..265, 63..338		

Seq. No.	5017	Seq. ID	OJ990412_12.9A01.C47
Gene No.	10428	Strand	-
Start	1	End	622
Name	OJ990412_12.9A01.C47.o1.tw	Method	TBLASTX:Wheat
Start	41	End	392
GI	none	Score	343
Exons	41..391, 42..392		

Seq. No.	5017	Seq. ID	OJ990412_12.9A01.C47
Gene No.	10428	Strand	-
Start	1	End	622
Name	OJ990412_12.9A01.C47.o1.gs	Method	GENSCAN
Start	42	End	241
GI	none	Score	.57
Exons	42..241		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o5.tw	Method	TBLASTX:Wheat
Start	209	End	542
GI	none	Score	103
Exons	209..541, 318..542		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o1.np	Method	AAT/NAP
Start	364	End	4110
GI	5257279	Score	4819
Exons	364..1171, 1286..1447, 1664..4110		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o1.tm	Method	TBLASTX:Maize
Start	401	End	985
GI	none	Score	209
Exons	401..829, 402..830, 416..841, 831..983	700..834, 825..959, 827..985,	

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o1.tw	Method	TBLASTX:Wheat
Start	542	End	1168
GI	none	Score	262
Exons	542..1168, 543..1166		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o3.tm	Method	TBLASTX:Maize
Start	1037	End	1328
GI	none	Score	238
Exons	1037..1327, 1041..1328		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o2.ts	Method	TBLASTX:Soybean
Start	1130	End	1384
GI	none	Score	139
Exons	1130..1375, 1131..1376, 1145..1384		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o1.tc	Method	TBLASTX:Cress
Start	1151	End	1468
GI	none	Score	106
Exons	1151..1294, 1152..1283, 1295..1468, 1347..1460		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o3.tw	Method	TBLASTX:Wheat
Start	1175	End	1664
GI	none	Score	258
Exons	1175..1663, 1179..1664		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o2.tw	Method	TBLASTX:Wheat
Start	1664	End	2167
GI	none	Score	269
Exons	1664..2167, 1665..2159		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o2.tm	Method	TBLASTX:Maize
Start	1733	End	2095
GI	none	Score	147
Exons	1733..2092, 1742..2095, 1827..2093		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o3.ts	Method	TBLASTX:Soybean
Start	1916	End	2161
GI	none	Score	204
Exons	1916..2161		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o5.tm	Method	TBLASTX:Maize
Start	2099	End	2356
GI	none	Score	173
Exons	2099..2356, 2103..2342		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o6.tw	Method	TBLASTX:Wheat
Start	2168	End	2466
GI	none	Score	132
Exons	2168..2371, 2184..2342, 2228..2356, 2361..2450, 2386..2466		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o1.ts	Method	TBLASTX:Soybean
Start	2183	End	2576
GI	none	Score	132
Exons	2183..2371, 2184..2342, 2225..2353, 2361..2540, 2380..2538, 2400..2546, 2544..2576, 2545..2574		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o4.tm	Method	TBLASTX:Maize
Start	2493	End	2934
GI	none	Score	73
Exons	2493..2933, 2686..2934		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o4.tw	Method	TBLASTX:Wheat
Start	2517	End	2997
GI	none	Score	92
Exons	2517..2987, 2521..2664, 2526..2939, 2692..2997		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o7.tw	Method	TBLASTX:Wheat
Start	3123	End	3500
GI	none	Score	72
Exons	3123..3245, 3124..3234, 3279..3500, 3379..3450		

Seq. No.	5018	Seq. ID	OJ990412_12.9A01.C48
Gene No.	10429	Strand	-
Start	364	End	4110
Name	OJ990412_12.9A01.C48.o6.tm	Method	TBLASTX:Maize
Start	3183	End	3506
GI	none	Score	44
Exons	3183..3323, 3183..3506, 3382..3459		

Seq. No.	5019	Seq. ID	OJ990412_12.9A01.C49
Gene No.	10430	Strand	-
Start	1	End	1914
Name	OJ990412_12.9A01.C49.o1.np	Method	AAT/NAP
Start	1	End	1806
GI	5257279	Score	1493
Exons	1..939, 1573..1806		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	5019	Seq. ID	OJ990412_12.9A01.C49
Gene No.	10430	Strand	-
Start	1	End	1914
Name	OJ990412_12.9A01.C49.o1.gs	Method	GENSCAN
Start	79	End	1158
GI	none	Score	.97
Exons	79..1158		

Seq. No.	5019	Seq. ID	OJ990412_12.9A01.C49
Gene No.	10430	Strand	-
Start	1	End	1914
Name	OJ990412_12.9A01.C49.o1.tw	Method	TBLASTX:Wheat
Start	661	End	1047
GI	none	Score	60
Exons	661..810, 808..1047, 939..1025		

Seq. No.	5019	Seq. ID	OJ990412_12.9A01.C49
Gene No.	10430	Strand	-
Start	1	End	1914
Name	OJ990412_12.9A01.C49.o2.gs	Method	GENSCAN
Start	1510	End	1914
GI	none	Score	.79
Exons	1510..1914		

Seq. No.	5020	Seq. ID	OJ990412_12.9A01.C50
Gene No.	10431	Strand	-
Start	1	End	961
Name	OJ990412_12.9A01.C50.o1.np	Method	AAT/NAP
Start	1	End	961
GI	5257279	Score	875

Exons	1..67, 416..961		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	5020	Seq. ID	OJ990412_12.9A01.C50
Gene No.	10431	Strand	-
Start	1	End	961
Name	OJ990412_12.9A01.C50.o1.gs	Method	GENSCAN
Start	33	End	760
GI	none	Score	.73
Exons	33..67, 448..760		
Seq. No.	5020	Seq. ID	OJ990412_12.9A01.C50
Gene No.	10432	Strand	-
Start	1776	End	2299
Name	OJ990412_12.9A01.C50.o1.gp	Method	AAT/GAP
Start	1776	End	2299
GI	LIB3434-038-P1-K1-F1	Score	694
Exons	1776..2299		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	5021	Seq. ID	OJ990412_12.9A01.C52
Gene No.	10433	Strand	-
Start	778	End	892
Name	OJ990412_12.9A01.C52.o1.gs	Method	GENSCAN
Start	778	End	892
GI	none	Score	.83
Exons	778..790, 829..892		
Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10434	Strand	+
Start	4567	End	4798
Name	OJ990412_12.9A01.C53.o2.gs	Method	GENSCAN
Start	4567	End	4798
GI	none	Score	.88
Exons	4567..4651, 4668..4798		
Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10435	Strand	+
Start	8864	End	10831
Name	OJ990412_12.9A01.C53.o5.gs	Method	GENSCAN
Start	8864	End	10811
GI	none	Score	.59
Exons	8864..9751, 9894..10094, 10616..10811		
Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10435	Strand	+
Start	8864	End	10831
Name	OJ990412_12.9A01.C53.o2.np	Method	AAT/NAP
Start	9379	End	10831
GI	3292902	Score	91
Exons	9379..9603, 10741..10831		
GI Descrip.	(AL031027) /prediction=(method:""genefinder"", version:""084"", score:""67.72""); /prediction=(method:""genscan"", version:""1.0""); /match=(desc:""PUTATIVE RHO/RAC GUANINE NUCLEOTIDE EXCHANGE FACTOR (RHO/RAC GEF) (FACIOGENIT...		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10435	Strand	+
Start	8864	End	10831
Name	OJ990412_12.9A01.C53.o3.np	Method	AAT/NAP
Start	9689	End	10831
GI	6321804	Score	244
Exons	9689..9810, 9934..10094, 10616..10831		
GI Descrip.	SH3 domain in C-terminus; Ysc84p gi|626598|pir||S46791 hypothetical protein YHR016c - yeast (Saccharomyces cerevisiae) gi|500710 (U10400) Ysc84p [Saccharomyces cerevisiae]		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10436	Strand	-
Start	438	End	3928
Name	OJ990412_12.9A01.C53.o1.gs	Method	GENSCAN
Start	438	End	3558
GI	none	Score	.46
Exons	438..596, 1241..1376, 1399..1463, 2620..3558		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10436	Strand	-
Start	438	End	3928
Name	OJ990412_12.9A01.C53.o1.gp	Method	AAT/GAP
Start	1982	End	3077
GI	uC-osflcyp028d10b1	Score	924
Exons	1982..2011, 2620..3077		
GI Descrip.	'3687239 1.0e-13 (AC005169) putative clathrin coat assembly protein [Arabidopsis thaliana]'		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10436	Strand	-
Start	438	End	3928
Name	OJ990412_12.9A01.C53.o1.np	Method	AAT/NAP
Start	2623	End	3928
GI	3212877	Score	1062
Exons	2623..3523, 3855..3928		
GI Descrip.	(AC004005) similar to late embryogenesis abundant proteins [Arabidopsis thaliana]		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10437	Strand	-
Start	5179	End	6187
Name	OJ990412_12.9A01.C53.o3.gs	Method	GENSCAN
Start	5179	End	6187
GI	none	Score	.81
Exons	5179..5350, 5985..6187		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10438	Strand	-
Start	6948	End	8533
Name	OJ990412_12.9A01.C53.o1.tm	Method	TBLASTX:Maize
Start	2582	End	3478
GI	none	Score	97
Exons	2582..2722, 2592..2807, 2630..2839, 2631..2840, 2650..3462, 2759..3463, 3077..3478		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10438	Strand	-
Start	6948	End	8533
Name	OJ990412_12.9A01.C53.o1.ts	Method	TBLASTX:Soybean
Start	2616	End	3466
GI	none	Score	38
Exons	2616..2642, 2650..3462, 2651..2722, 2652..2810, 2759..3463, 3119..3466		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10438	Strand	-
Start	6948	End	8533
Name	OJ990412_12.9A01.C53.o1.tc	Method	TBLASTX:Cress
Start	2621	End	3572
GI	none	Score	77
Exons	2621..2722, 2630..2809, 2650..2802, 2650..3462, 2762..3463, 2875..3480, 2876..3469, 3501..3572		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10438	Strand	-
Start	6948	End	8533
Name	OJ990412_12.9A01.C53.o2.tw	Method	TBLASTX:Wheat
Start	3319	End	8378
GI	none	Score	117
Exons	3319..3462, 3323..3463, 8292..8378		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10438	Strand	-
Start	6948	End	8533
Name	OJ990412_12.9A01.C53.o4.gs	Method	GENSCAN
Start	6948	End	8533
GI	none	Score	.65
Exons	6948..7060, 7155..7318, 8217..8533		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10439	Strand	
Start	9227	End	10818
Name	OJ990412_12.9A01.C53.o2.tm	Method	TBLASTX:Maize
Start	9227	End	9749
GI	none	Score	829
Exons	9227..9748, 9231..9749, 9233..9739, 9244..9747		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10439	Strand	
Start	9227	End	10818
Name	OJ990412_12.9A01.C53.o2.ts	Method	TBLASTX:Soybean
Start	9286	End	10813
GI	none	Score	659
Exons	9286..9762, 9293..9772, 9891..10097, 9896..10090, 10613..10813, 10618..10812		

Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10439	Strand	
Start	9227	End	10818
Name	OJ990412_12.9A01.C53.o2.tc	Method	TBLASTX:Cress
Start	9362	End	9532
GI	none	Score	187

Exons	9362..9532, 9376..9528		
Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10439	Strand	
Start	9227	End	10818
Name	OJ990412_12.9A01.C53.o1.tw	Method	TBLASTX:Wheat
Start	9674	End	10657
GI	none	Score	158
Exons	9674..9772, 9674..9772, 9676..9774, 9690..9779, 9891..10097, 9891..10004, 9899..10096, 10612..10656, 10612..10656, 10613..10657		
Seq. No.	5022	Seq. ID	OJ990412_12.9A01.C53
Gene No.	10439	Strand	
Start	9227	End	10818
Name	OJ990412_12.9A01.C53.o3.tm	Method	TBLASTX:Maize
Start	9891	End	10818
GI	none	Score	292
Exons	9891..10097, 9896..10093, 9985..10113, 10610..10813, 10610..10813, 10612..10818		
Seq. No.	5023	Seq. ID	OJ990412_12.9A01.C54
Gene No.	10440	Strand	+
Start	685	End	886
Name	OJ990412_12.9A01.C54.o1.ts	Method	TBLASTX:Soybean
Start	657	End	886
GI	none	Score	60
Exons	657..830, 658..828, 678..860, 683..886		
Seq. No.	5023	Seq. ID	OJ990412_12.9A01.C54
Gene No.	10440	Strand	+
Start	685	End	886
Name	OJ990412_12.9A01.C54.o1.tm	Method	TBLASTX:Maize
Start	678	End	860
GI	none	Score	268
Exons	678..860, 682..858, 683..859		
Seq. No.	5023	Seq. ID	OJ990412_12.9A01.C54
Gene No.	10440	Strand	+
Start	685	End	886
Name	OJ990412_12.9A01.C54.o1.gs	Method	GENSCAN
Start	685	End	869
GI	none	Score	.46
Exons	685..869		
Seq. No.	5024	Seq. ID	OJ990412_12.9A01.C55
Gene No.	10441	Strand	-
Start	177	End	575
Name	OJ990412_12.9A01.C55.o1.gs	Method	GENSCAN
Start	177	End	575
GI	none	Score	.68
Exons	177..248, 470..575		
Seq. No.	5025	Seq. ID	OJ990412_12.9A01.C56
Gene No.	10442	Strand	+
Start	198	End	340
Name	OJ990412_12.9A01.C56.o1.gp	Method	AAT/GAP

Start	198	End	340
GI	21474_1.R1084	Score	239
Exons	198..340		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5025	Seq. ID	OJ990412_12.9A01.C56
Gene No.	10443	Strand	-
Start	731	End	1456
Name	OJ990412_12.9A01.C56.o1.gs	Method	GENSCAN
Start	731	End	1456
GI	none	Score	.89
Exons	731..916, 996..1094, 1189..1261, 1346..1456		

Seq. No.	5026	Seq. ID	OJ990412_12.9A01.C58
Gene No.	10444	Strand	-
Start	1	End	828
Name	OJ990412_12.9A01.C58.o1.np	Method	AAT/NAP
Start	1	End	828
GI	4680203	Score	875
Exons	1..828		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5026	Seq. ID	OJ990412_12.9A01.C58
Gene No.	10444	Strand	-
Start	1	End	828
Name	OJ990412_12.9A01.C58.o1.gs	Method	GENSCAN
Start	14	End	819
GI	none	Score	.89
Exons	14..358, 459..819		

Seq. No.	5026	Seq. ID	OJ990412_12.9A01.C58
Gene No.	10444	Strand	-
Start	1	End	828
Name	OJ990412_12.9A01.C58.o1.ts	Method	TBLASTX:Soybean
Start	54	End	344
GI	none	Score	105
Exons	54..119, 106..336, 126..344		

Seq. No.	5026	Seq. ID	OJ990412_12.9A01.C58
Gene No.	10444	Strand	-
Start	1	End	828
Name	OJ990412_12.9A01.C58.o1.tw	Method	TBLASTX:Wheat
Start	111	End	428
GI	none	Score	158
Exons	111..368, 116..367, 126..377, 127..369, 360..428		

Seq. No.	5026	Seq. ID	OJ990412_12.9A01.C58
Gene No.	10444	Strand	-
Start	1	End	828
Name	OJ990412_12.9A01.C58.o1.gp	Method	AAT/GAP
Start	364	End	828
GI	2310235	Score	253
Exons	364..388, 680..828		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	5027	Seq. ID	OJ990412_12.9A01.C60
Gene No.	10445	Strand	+
Start	408	End	518
Name	OJ990412_12.9A01.C60.o1.gs	Method	GENSCAN
Start	408	End	518
GI	none	Score	.75
Exons	408..518		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o1.np	Method	AAT/NAP
Start	1	End	2870
GI	4835247	Score	387
Exons	1..349, 457..599, 686..733, 838..912, 2841..2870		
GI Descrip.	(AL049862) putative tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o1.tc	Method	TBLASTX:Cress
Start	293	End	2929
GI	none	Score	68
Exons	293..358, 295..351, 456..560, 456..602, 457..609, 681..719, 686..733, 2839..2910, 2841..2924, 2900..2929		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o2.tm	Method	TBLASTX:Maize
Start	294	End	2926
GI	none	Score	79
Exons	294..347, 295..348, 295..351, 296..358, 456..560, 456..602, 457..609, 493..609, 681..719, 686..733, 838..915, 839..913, 2836..2910, 2841..2924, 2841..2924, 2897..2926		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o1.gp	Method	AAT/GAP
Start	457	End	4727
GI	19004_1.R1084	Score	676
Exons	457..599, 686..733, 838..912, 2841..2924, 2947..3074, 4703..4727		
GI Descrip.	'5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o2.ts	Method	TBLASTX:Soybean
Start	462	End	2924
GI	none	Score	155
Exons	462..602, 466..609, 681..719, 686..733, 2839..2913, 2841..2924		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093

Name	OJ990712_10.9A08.C1.o1.gs	Method	GENSCAN
Start	498	End	2924
GI	none	Score	.61
Exons	498..599, 686..733, 838..912, 2616..2924		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o2.tc	Method	TBLASTX:Cress
Start	3976	End	4238
GI	none	Score	81
Exons	3976..4047, 3980..4075, 4040..4081, 4051..4083, 4052..4081, 4153..4236, 4163..4237, 4164..4238, 4164..4238		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o1.tm	Method	TBLASTX:Maize
Start	3977	End	6888
GI	none	Score	145
Exons	3977..4081, 3979..4083, 3980..4081, 3985..4083, 4126..4311, 4153..4440, 4164..4439, 4530..4652, 4530..4622, 4531..4656, 5855..5998, 5881..5991, 5883..5996, 5888..5998, 6088..6243, 6093..6239, 6094..6243, 6098..6244, 6550..6735, 6647..6760, 6649..6735, 6690..6791, 6795..6887, 6838..6888		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o2.gs	Method	GENSCAN
Start	3979	End	6977
GI	none	Score	.5
Exons	3979..4080, 4164..4437, 4531..4618, 5890..5998, 6091..6237, 6649..6734, 6842..6977		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o2.np	Method	AAT/NAP
Start	3982	End	6950
GI	4587585	Score	938
Exons	3982..4080, 4164..4334, 4539..4654, 6087..6237, 6649..6734, 6842..6950		
GI Descrip.	(AC007232) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o1.ts	Method	TBLASTX:Soybean
Start	4018	End	6177
GI	none	Score	46
Exons	4018..4047, 4051..4083, 4052..4090, 4152..4436, 4164..4307, 4374..4436, 4530..4622, 4531..4656, 4534..4644, 5855..5998, 5889..5999, 6058..6177, 6080..6169		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-

Start	1	End	7093
Name	OJ990712_10.9A08.C1.o2.gp	Method	AAT/GAP
Start	5942	End	7093
GI	42931_1.R1084	Score	1012
Exons	5942..5998, 6091..6237, 6649..6734, 6842..7093		
GI Descrip.	'4587585/gb|AAD25813.1|AC007232_3 5.0e-47 (AC007232) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5028	Seq. ID	OJ990712_10.9A08.C1
Gene No.	10446	Strand	-
Start	1	End	7093
Name	OJ990712_10.9A08.C1.o3.tc	Method	TBLASTX:Cress
Start	6122	End	6887
GI	none	Score	132
Exons	6122..6238, 6124..6243, 6124..6243, 6647..6760, 6649..6735, 6795..6887		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10447	Strand	+
Start	613	End	1408
Name	OJ990712_10.9A08.C2.o1.gs	Method	GENSCAN
Start	613	End	1408
GI	none	Score	.86
Exons	613..676, 1185..1408		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10448	Strand	+
Start	3484	End	4011
Name	OJ990712_10.9A08.C2.o3.gs	Method	GENSCAN
Start	3484	End	4011
GI	none	Score	.98
Exons	3484..4011		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10449	Strand	+
Start	7263	End	11339
Name	OJ990712_10.9A08.C2.o1.np	Method	AAT/NAP
Start	7263	End	11339
GI	5922620	Score	577
Exons	7263..7376, 8968..9043, 9320..9446, 9494..9670, 9707..9791, 11209..11339		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10450	Strand	+
Start	16117	End	16718
Name	OJ990712_10.9A08.C2.o6.gs	Method	GENSCAN
Start	16117	End	16718
GI	none	Score	.71
Exons	16117..16375, 16426..16718		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10451	Strand	+

Start	29705	End	31180
Name	OJ990712_10.9A08.C2.o4.np	Method	AAT/NAP
Start	29521	End	31180
GI	6907086	Score	1127
Exons	29521..30310, 30374..30608, 30832..31180		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10451	Strand	+
Start	29705	End	31180
Name	OJ990712_10.9A08.C2.o10.gs	Method	GENSCAN
Start	29705	End	30316
GI	none	Score	.85
Exons	29705..30316		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10452	Strand	-
Start	1739	End	2660
Name	OJ990712_10.9A08.C2.o2.gs	Method	GENSCAN
Start	1739	End	2660
GI	none	Score	.57
Exons	1739..1933, 2296..2368, 2512..2660		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10453	Strand	-
Start	10990	End	15654
Name	OJ990712_10.9A08.C2.o2.np	Method	AAT/NAP
Start	10990	End	15160
GI	4206763	Score	174
Exons	10990..11007, 12978..13242, 13523..13658, 13754..13993, 15095..15160		
GI Descrip.	(AF104328) cell wall-plasma membrane linker protein homolog [Arabidopsis thaliana]		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10453	Strand	-
Start	10990	End	15654
Name	OJ990712_10.9A08.C2.o3.np	Method	AAT/NAP
Start	13293	End	15654
GI	5922634	Score	126
Exons	13293..13416, 15555..15654		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016867|dbj|BAA85210.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10454	Strand	-
Start	25458	End	27445
Name	OJ990712_10.9A08.C2.o1.tm	Method	TBLASTX:Maize
Start	13670	End	13960
GI	none	Score	38
Exons	13670..13708, 13671..13706, 13699..13821, 13774..13812, 13813..13848, 13828..13959, 13829..13960, 13841..13960		

Seq. No.	5029	Seq. ID	OJ990712_10.9A08.C2
Gene No.	10454	Strand	-
Start	25458	End	27445

Name	OJ990712_10.9A08.C2.o9.gs	Method	GENSCAN
Start	25458	End	27445
GI	none	Score	.42
Exons	25458..25572, 27159..27445		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10455	Strand	+
Start	394	End	911
Name	OJ990712_10.9A08.C3.o1.gs	Method	GENSCAN
Start	394	End	911
GI	none	Score	.42
Exons	394..911		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10456	Strand	+
Start	3271	End	3833
Name	OJ990712_10.9A08.C3.o2.gs	Method	GENSCAN
Start	3271	End	3833
GI	none	Score	.71
Exons	3271..3340, 3406..3833		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10457	Strand	+
Start	5981	End	6751
Name	OJ990712_10.9A08.C3.o3.gs	Method	GENSCAN
Start	5981	End	6751
GI	none	Score	.47
Exons	5981..6751		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10458	Strand	+
Start	6977	End	8794
Name	OJ990712_10.9A08.C3.o4.gs	Method	GENSCAN
Start	6977	End	8794
GI	none	Score	.91
Exons	6977..7028, 8094..8128, 8273..8794		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10459	Strand	+
Start	15031	End	15464
Name	OJ990712_10.9A08.C3.o6.gs	Method	GENSCAN
Start	15031	End	15464
GI	none	Score	.72
Exons	15031..15102, 15330..15464		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10460	Strand	+
Start	20255	End	20824
Name	OJ990712_10.9A08.C3.o4.np	Method	AAT/NAP
Start	20255	End	20824
GI	4587587	Score	191
Exons	20255..20824		
GI Descrip.	(AC007232) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10461	Strand	-
Start	1	End	10589

Name	OJ990712_10.9A08.C3.o1.np	Method	AAT/NAP
Start	1	End	10589
GI	3980411	Score	171
Exons	1..42, 463..760, 3372..3748, 6511..6620, 8343..8446, 8519..8720, 10530..10589		
GI Descrip.	(AC004561) putative proline-rich protein [Arabidopsis thaliana]		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10462	Strand	-
Start	12251	End	15873
Name	OJ990712_10.9A08.C3.o2.np	Method	AAT/NAP
Start	12251	End	13980
GI	6907086	Score	531
Exons	12251..12689, 12923..13143, 13202..13980		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10462	Strand	-
Start	12251	End	15873
Name	OJ990712_10.9A08.C3.o3.np	Method	AAT/NAP
Start	13232	End	15873
GI	4680186	Score	383
Exons	13232..13255, 14962..15118, 15722..15873		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5030	Seq. ID	OJ990712_10.9A08.C3
Gene No.	10463	Strand	-
Start	15797	End	16760
Name	OJ990712_10.9A08.C3.o7.gs	Method	GENSCAN
Start	15797	End	16760
GI	none	Score	.96
Exons	15797..15885, 16206..16275, 16692..16760		

Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10464	Strand	-
Start	59	End	273
Name	OJ990712_10.9A08.C4.o1.gs	Method	GENSCAN
Start	59	End	273
GI	none	Score	.57
Exons	59..273		

Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10465	Strand	-
Start	1355	End	1700
Name	OJ990712_10.9A08.C4.o1.gp	Method	AAT/GAP
Start	1355	End	1700
GI	2800812	Score	605
Exons	1355..1700		
GI Descrip.	2280517/dbj|AB005878|AB005878 1.0e-23 Nicotiana tabacum mRNA for BYJ15, partial cds		

Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10466	Strand	-
Start	2118	End	5284
Name	OJ990712_10.9A08.C4.o2.gs	Method	GENSCAN
Start	2118	End	5112
GI	none	Score	.82

Exons	2118..2246, 2874..2978, 3400..3528, 3659..3760, 3849..4028, 4229..4408, 4518..4658, 4771..5112		
Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10466	Strand	-
Start	2118	End	5284
Name	OJ990712_10.9A08.C4.o2.gp	Method	AAT/GAP
Start	2385	End	2922
GI	none	Score	814
Exons	2385..2768, 2874..2922		
Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10466	Strand	-
Start	2118	End	5284
Name	OJ990712_10.9A08.C4.o2.tm	Method	TBLASTX:Maize
Start	2420	End	5103
GI	none	Score	81
Exons	2420..2488, 2423..2488, 2424..2489, 2671..2769, 2725..2769, 2872..2979, 2873..2986, 3400..3531, 3401..3529, 3436..3531, 3657..3764, 3657..3761, 3659..3763, 3845..3946, 3847..3945, 3848..3958, 3849..3959, 3849..3959, 4906..5103		
Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10466	Strand	-
Start	2118	End	5284
Name	OJ990712_10.9A08.C4.o1.np	Method	AAT/NAP
Start	2688	End	5284
GI	1652892	Score	805
Exons	2688..2756, 2901..2978, 3400..3528, 3659..3760, 3849..4004, 4229..4408, 4518..4652, 4771..5152, 5249..5284		
GI Descrip.	(D90909) ABC transporter [Synechocystis sp.]		
Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10466	Strand	-
Start	2118	End	5284
Name	OJ990712_10.9A08.C4.o3.tc	Method	TBLASTX:Cress
Start	2728	End	3531
GI	none	Score	70
Exons	2728..2769, 2875..2907, 3400..3531, 3401..3529		
Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10466	Strand	-
Start	2118	End	5284
Name	OJ990712_10.9A08.C4.o1.ts	Method	TBLASTX:Soybean
Start	2731	End	5118
GI	none	Score	58
Exons	2731..2769, 2878..2907, 3400..3531, 3400..3531, 3404..3529, 3436..3531, 3641..3763, 3647..3763, 3657..3764, 3835..4005, 3845..4006, 3848..4006, 3849..4010, 3849..4007, 4217..4405, 4228..4410, 4230..4406, 4235..4381, 4509..4619, 4522..4620, 4522..4623, 4771..5118, 4772..4813, 4865..5059, 4906..5118, 4909..5115		
Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10466	Strand	-
Start	2118	End	5284
Name	OJ990712_10.9A08.C4.o2.tc	Method	TBLASTX:Cress

Start	3680	End	3995
GI	none	Score	81
Exons	3680..3760, 3680..3763, 3849..3995, 3850..3945, 3852..3995		

Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10466	Strand	-
Start	2118	End	5284
Name	OJ990712_10.9A08.C4.o1.tm	Method	TBLASTX:Maize
Start	3960	End	4827
GI	none	Score	257
Exons	3960..4007, 4217..4405, 4227..4409, 4230..4403, 4507..4620, 4509..4619, 4526..4663, 4528..4659, 4768..4827, 4771..4827		

Seq. No.	5031	Seq. ID	OJ990712_10.9A08.C4
Gene No.	10466	Strand	-
Start	2118	End	5284
Name	OJ990712_10.9A08.C4.o1.tc	Method	TBLASTX:Cress
Start	4232	End	5070
GI	none	Score	184
Exons	4232..4405, 4233..4406, 4507..4608, 4509..4619, 4771..5070, 4772..5059, 4888..5070		

Seq. No.	5032	Seq. ID	OJ990712_10.9A08.C5
Gene No.	10467	Strand	+
Start	66	End	6411
Name	OJ990712_10.9A08.C5.o1.gs	Method	GENSCAN
Start	66	End	6411
GI	none	Score	.48
Exons	66..92, 1646..1894, 2234..2346, 2406..2492, 2516..2691, 3002..3120, 3759..4100, 5470..5520, 6259..6411		

Seq. No.	5032	Seq. ID	OJ990712_10.9A08.C5
Gene No.	10467	Strand	+
Start	66	End	6411
Name	OJ990712_10.9A08.C5.o1.np	Method	AAT/NAP
Start	3735	End	4721
GI	6469125	Score	90
Exons	3735..3903, 3934..4046, 4677..4721		
GI Descrip.	(AJ275310) hypothetical protein [Cicer arietinum]		

Seq. No.	5033	Seq. ID	OJ990712_10.9A08.C6
Gene No.	10468	Strand	-
Start	7	End	594
Name	OJ990712_10.9A08.C6.o1.gs	Method	GENSCAN
Start	7	End	594
GI	none	Score	.99
Exons	7..594		

Seq. No.	5034	Seq. ID	OJ990712_10.9A08.C7
Gene No.	10469	Strand	+
Start	148	End	720
Name	OJ990712_10.9A08.C7.o1.ts	Method	TBLASTX:Soybean
Start	120	End	689
GI	none	Score	385
Exons	120..455, 139..477, 151..363, 225..320, 463..540, 547..672, 561..689, 633..689		

Seq. No.	5034	Seq. ID	OJ990712_10.9A08.C7
Gene No.	10469	Strand	+
Start	148	End	720
Name	OJ990712_10.9A08.C7.o1.np	Method	AAT/NAP
Start	148	End	687
GI	1652892	Score	393
Exons	148..687		
GI Descrip.	(D90909) ABC transporter [Synechocystis sp.]		

Seq. No.	5034	Seq. ID	OJ990712_10.9A08.C7
Gene No.	10469	Strand	+
Start	148	End	720
Name	OJ990712_10.9A08.C7.o1.tc	Method	TBLASTX:Cress
Start	160	End	477
GI	none	Score	354
Exons	160..477, 177..455		

Seq. No.	5034	Seq. ID	OJ990712_10.9A08.C7
Gene No.	10469	Strand	+
Start	148	End	720
Name	OJ990712_10.9A08.C7.o1.gp	Method	AAT/GAP
Start	317	End	720
GI	LIB3474-012-P1-K1-G6	Score	660
Exons	317..720		
GI Descrip.	'1652892/dbj|BAA17810| 2.0e-10 (D90909) ABC transporter [Synechocystis sp.]'		

Seq. No.	5034	Seq. ID	OJ990712_10.9A08.C7
Gene No.	10469	Strand	+
Start	148	End	720
Name	OJ990712_10.9A08.C7.o1.tm	Method	TBLASTX:Maize
Start	433	End	689
GI	none	Score	54
Exons	433..480, 463..531, 547..672, 558..689, 633..689		

Seq. No.	5035	Seq. ID	OJ990712_10.9A08.C8
Gene No.	10470	Strand	+
Start	5723	End	9864
Name	OJ990712_10.9A08.C8.o2.np	Method	AAT/NAP
Start	5723	End	9526
GI	5852180	Score	411
Exons	5723..5806, 5997..6661, 9398..9526		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5035	Seq. ID	OJ990712_10.9A08.C8
Gene No.	10470	Strand	+
Start	5723	End	9864
Name	OJ990712_10.9A08.C8.o2.gs	Method	GENSCAN
Start	6306	End	7484
GI	none	Score	.79
Exons	6306..6344, 6421..6638, 7418..7484		

Seq. No.	5035	Seq. ID	OJ990712_10.9A08.C8
Gene No.	10470	Strand	+
Start	5723	End	9864
Name	OJ990712_10.9A08.C8.o3.gs	Method	GENSCAN
Start	8837	End	9864

GI	none	Score	.72
Exons	8837..8882, 9412..9539, 9796..9864		

Seq. No.	5035	Seq. ID	OJ990712_10.9A08.C8
Gene No.	10471	Strand	-
Start	1414	End	5827
Name	OJ990712_10.9A08.C8.o1.gs	Method	GENSCAN
Start	1414	End	5827
GI	none	Score	.76
Exons	1414..1506, 2671..2753, 3541..3580, 3935..4024, 4105..4177, 4541..4689, 4775..4888, 5541..5642, 5690..5827		

Seq. No.	5035	Seq. ID	OJ990712_10.9A08.C8
Gene No.	10471	Strand	-
Start	1414	End	5827
Name	OJ990712_10.9A08.C8.o1.tm	Method	TBLASTX:Maize
Start	2524	End	5759
GI	none	Score	94
Exons	2524..2553, 2664..2753, 2665..2760, 2665..2760, 3527..3589, 3881..4027, 3936..4025, 3937..4026, 4105..4179, 4109..4180, 4109..4192, 4536..4691, 4537..4704, 4537..4692, 4772..4891, 4773..4880, 4774..4890, 5608..5712, 5690..5752, 5691..5759		

Seq. No.	5035	Seq. ID	OJ990712_10.9A08.C8
Gene No.	10471	Strand	-
Start	1414	End	5827
Name	OJ990712_10.9A08.C8.o1.np	Method	AAT/NAP
Start	2640	End	4900
GI	4262183	Score	567
Exons	2640..2753, 3541..3580, 3935..4040, 4103..4177, 4541..4689, 4775..4900		
GI Descrip.	(AC005508) 51434 [Arabidopsis thaliana]		

Seq. No.	5035	Seq. ID	OJ990712_10.9A08.C8
Gene No.	10471	Strand	-
Start	1414	End	5827
Name	OJ990712_10.9A08.C8.o1.tc	Method	TBLASTX:Cress
Start	4565	End	4898
GI	none	Score	144
Exons	4565..4729, 4567..4692, 4772..4891, 4773..4898		

Seq. No.	5035	Seq. ID	OJ990712_10.9A08.C8
Gene No.	10471	Strand	-
Start	1414	End	5827
Name	OJ990712_10.9A08.C8.o1.ts	Method	TBLASTX:Soybean
Start	4567	End	4891
GI	none	Score	132
Exons	4567..4692, 4568..4690, 4772..4891, 4773..4880		

Seq. No.	5036	Seq. ID	OJ990712_10.9A08.C9
Gene No.	10472	Strand	+
Start	8896	End	9512
Name	OJ990712_10.9A08.C9.o2.gp	Method	AAT/GAP
Start	8230	End	8924
GI	4878277	Score	751
Exons	8230..8455, 8747..8924		

Seq. No.	5036	Seq. ID	OJ990712_10.9A08.C9
Gene No.	10472	Strand	+
Start	8896	End	9512
Name	OJ990712_10.9A08.C9.o2.gs	Method	GENSCAN
Start	8896	End	9512
GI	none	Score	.76
Exons	8896..9512		

Seq. No.	5036	Seq. ID	OJ990712_10.9A08.C9
Gene No.	10473	Strand	-
Start	4959	End	5091
Name	OJ990712_10.9A08.C9.o1.gp	Method	AAT/GAP
Start	4959	End	5091
GI	LIB3474-009-P1-K1-F11	Score	231
Exons	4959..5091		
GI Descrip.	'4455244/emb|CAB36743.1| 6.0e-11 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	5036	Seq. ID	OJ990712_10.9A08.C9
Gene No.	10474	Strand	
Start	9154	End	9582
Name	OJ990712_10.9A08.C9.o1.ts	Method	TBLASTX:Soybean
Start	9154	End	9582
GI	none	Score	443
Exons	9154..9582, 9165..9581		

Seq. No.	5036	Seq. ID	OJ990712_10.9A08.C9
Gene No.	10474	Strand	
Start	9154	End	9582
Name	OJ990712_10.9A08.C9.o1.tm	Method	TBLASTX:Maize
Start	9166	End	9558
GI	none	Score	343
Exons	9166..9483, 9181..9483, 9254..9490, 9302..9484, 9496..9558		

Seq. No.	5036	Seq. ID	OJ990712_10.9A08.C9
Gene No.	10474	Strand	
Start	9154	End	9582
Name	OJ990712_10.9A08.C9.o1.tc	Method	TBLASTX:Cress
Start	9321	End	9582
GI	none	Score	187
Exons	9321..9482, 9322..9492, 9496..9582, 9510..9581		

Seq. No.	5037	Seq. ID	OJ990712_10.9A08.C11
Gene No.	10475	Strand	-
Start	1	End	675
Name	OJ990712_10.9A08.C11.o1.np	Method	AAT/NAP
Start	1	End	675
GI	1652892	Score	425
Exons	1..174, 357..675		
GI Descrip.	(D90909) ABC transporter [Synechocystis sp.]		

Seq. No.	5037	Seq. ID	OJ990712_10.9A08.C11
Gene No.	10475	Strand	-
Start	1	End	675
Name	OJ990712_10.9A08.C11.o1.tc	Method	TBLASTX:Cress
Start	1	End	132
GI	none	Score	134

Exons	1..132, 2..121		
Seq. No.	5037	Seq. ID	OJ990712_10.9A08.C11
Gene No.	10475	Strand	-
Start	1	End	675
Name	OJ990712_10.9A08.C11.o1.ts	Method	TBLASTX:Soybean
Start	1	End	674
GI	none	Score	142
Exons	1..177, 1..180, 7..180, 355..483, 355..411, 372..545, 504..545, 543..674, 545..673		
Seq. No.	5037	Seq. ID	OJ990712_10.9A08.C11
Gene No.	10475	Strand	-
Start	1	End	675
Name	OJ990712_10.9A08.C11.o1.tm	Method	TBLASTX:Maize
Start	58	End	641
GI	none	Score	136
Exons	58..177, 58..180, 355..486, 355..411, 372..545, 513..539, 540..641, 543..587, 545..640		
Seq. No.	5037	Seq. ID	OJ990712_10.9A08.C11
Gene No.	10475	Strand	-
Start	1	End	675
Name	OJ990712_10.9A08.C11.o1.gs	Method	GENSCAN
Start	76	End	616
GI	none	Score	.71
Exons	76..174, 357..512, 611..616		
Seq. No.	5037	Seq. ID	OJ990712_10.9A08.C11
Gene No.	10475	Strand	-
Start	1	End	675
Name	OJ990712_10.9A08.C11.o1.gp	Method	AAT/GAP
Start	324	End	675
GI	LIB3474-012-P1-K1-G6	Score	539
Exons	324..675		
GI Descrip.	'1652892/dbj|BAA17810| 2.0e-10 (D90909) ABC transporter [Synechocystis sp.]'		
Seq. No.	5038	Seq. ID	OJ990722_12.9A08.C1
Gene No.	10476	Strand	+
Start	1	End	862
Name	OJ990722_12.9A08.C1.o1.np	Method	AAT/NAP
Start	1	End	862
GI	5042463	Score	110
Exons	1..294, 835..862		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	5038	Seq. ID	OJ990722_12.9A08.C1
Gene No.	10477	Strand	-
Start	248	End	299
Name	OJ990722_12.9A08.C1.o1.gs	Method	GENSCAN
Start	248	End	299
GI	none	Score	.68
Exons	248..299		
Seq. No.	5039	Seq. ID	OJ990722_12.9A08.C2
Gene No.	10478	Strand	+

Start	1	End	9987
Name	OJ990722_12.9A08.C2.o1.np	Method	AAT/NAP
Start	1	End	9987
GI	5042454	Score	198
Exons	1..25, 1743..1834, 3234..3448, 4331..4525, 9854..9987		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	5039	Seq. ID	OJ990722_12.9A08.C2
Gene No.	10478	Strand	+
Start	1	End	9987
Name	OJ990722_12.9A08.C2.o1.gs	Method	GENSCAN
Start	1662	End	4458
GI	none	Score	.77
Exons	1662..1940, 2098..2221, 3392..3586, 4097..4190, 4347..4458		

Seq. No.	5039	Seq. ID	OJ990722_12.9A08.C2
Gene No.	10479	Strand	-
Start	8578	End	9987
Name	OJ990722_12.9A08.C2.o2.np	Method	AAT/NAP
Start	8578	End	9987
GI	6063554	Score	380
Exons	8578..8752, 9427..9457, 9782..9987		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10480	Strand	+
Start	8460	End	17331
Name	OJ990722_12.9A08.C6.o4.gs	Method	GENSCAN
Start	8460	End	14445
GI	none	Score	.61
Exons	8460..8582, 8605..8785, 8827..9056, 10553..10712, 10714..10895, 10897..11145, 11198..11490, 11504..11681, 12163..12603, 12655..12941, 13137..13347, 13367..13568, 13586..14445		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10480	Strand	+
Start	8460	End	17331
Name	OJ990722_12.9A08.C6.o3.np	Method	AAT/NAP
Start	12155	End	17331
GI	4206306	Score	1533
Exons	12155..12238, 12568..14659, 17270..17331		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10481	Strand	+
Start	19236	End	19512
Name	OJ990722_12.9A08.C6.o4.gp	Method	AAT/GAP
Start	19236	End	19512
GI	none	Score	477
Exons	19236..19512		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10482	Strand	-
Start	1	End	2303
Name	OJ990722_12.9A08.C6.o1.np	Method	AAT/NAP

Start	1	End	2303
GI	6016874	Score	1759
Exons	1..29, 137..473, 584..763, 1157..1316, 1707..1939, 2004..2141, 2225..2303		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10482	Strand	-
Start	1	End	2303
Name	OJ990722_12.9A08.C6.o1.gs	Method	GENSCAN
Start	133	End	2303
GI	none	Score	.71
Exons	133..530, 584..763, 1157..1280, 1851..1939, 2057..2303		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10482	Strand	-
Start	1	End	2303
Name	OJ990722_12.9A08.C6.o1.gp	Method	AAT/GAP
Start	1106	End	1614
GI	uC-osflcyp110c07b1	Score	974
Exons	1106..1614		
GI Descrip.	'4680178/gb|AF111709.1|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10483	Strand	-
Start	2701	End	4105
Name	OJ990722_12.9A08.C6.o2.gs	Method	GENSCAN
Start	2701	End	4105
GI	none	Score	.41
Exons	2701..2997, 3090..3121, 3529..4105		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10483	Strand	-
Start	2701	End	4105
Name	OJ990722_12.9A08.C6.o2.np	Method	AAT/NAP
Start	2702	End	2867
GI	6907084	Score	130
Exons	2702..2867		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10484	Strand	-
Start	5154	End	5943
Name	OJ990722_12.9A08.C6.o3.gs	Method	GENSCAN
Start	5154	End	5943
GI	none	Score	.91
Exons	5154..5400, 5870..5943		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10485	Strand	-
Start	14830	End	14936
Name	OJ990722_12.9A08.C6.o2.gp	Method	AAT/GAP
Start	14830	End	14936

GI	uC-osflcyp088b12b1	Score	153
Exons	14830..14936		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o4.tm	Method	TBLASTX:Maize
Start	196	End	439
GI	none	Score	89
Exons	196..429, 281..439		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o6.tm	Method	TBLASTX:Maize
Start	568	End	896
GI	none	Score	134
Exons	568..885, 615..896		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o5.tm	Method	TBLASTX:Maize
Start	1101	End	1415
GI	none	Score	107
Exons	1101..1328, 1102..1317, 1341..1415		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o3.tm	Method	TBLASTX:Maize
Start	1509	End	1955
GI	none	Score	110
Exons	1509..1547, 1542..1598, 1635..1883, 1675..1884, 1869..1955		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o3.tw	Method	TBLASTX:Wheat
Start	12730	End	13089
GI	none	Score	83
Exons	12730..12861, 12867..13088, 12868..13089		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o1.tw	Method	TBLASTX:Wheat
Start	13294	End	13749
GI	none	Score	467
Exons	13294..13749, 13318..13713, 13344..13748		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o2.ts	Method	TBLASTX:Soybean

Start	13333	End	13698
GI	none	Score	106
Exons	13333..13557, 13561..13698		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o1.tm	Method	TBLASTX:Maize
Start	13422	End	13779
GI	none	Score	424
Exons	13422..13778, 13423..13779		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o2.tm	Method	TBLASTX:Maize
Start	13807	End	14190
GI	none	Score	390
Exons	13807..14190, 13830..14177		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o2.tw	Method	TBLASTX:Wheat
Start	13863	End	14283
GI	none	Score	436
Exons	13863..14282, 13864..14283		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o1.ts	Method	TBLASTX:Soybean
Start	13909	End	14283
GI	none	Score	264
Exons	13909..14283, 13959..14102		

Seq. No.	5040	Seq. ID	OJ990722_12.9A08.C6
Gene No.	10486	Strand	-
Start	15449	End	15534
Name	OJ990722_12.9A08.C6.o4.np	Method	AAT/NAP
Start	15449	End	15534
GI	6721561	Score	110
Exons	15449..15534		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5041	Seq. ID	OJ990722_12.9A08.C7
Gene No.	10487	Strand	-
Start	95	End	514
Name	OJ990722_12.9A08.C7.o1.gs	Method	GENSCAN
Start	95	End	514
GI	none	Score	.62
Exons	95..137, 426..514		

Seq. No.	5041	Seq. ID	OJ990722_12.9A08.C7
Gene No.	10488	Strand	-
Start	831	End	939
Name	OJ990722_12.9A08.C7.o1.gp	Method	AAT/GAP
Start	831	End	939
GI	uC-osflcyp088b12b1	Score	153
Exons	831..939		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10489	Strand	+
Start	1	End	1578
Name	OJ990722_12.9A08.C8.o1.np	Method	AAT/NAP
Start	1	End	1578
GI	4206306	Score	1209
Exons	1..1578		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10489	Strand	+
Start	1	End	1578
Name	OJ990722_12.9A08.C8.o1.gs	Method	GENSCAN
Start	25	End	1548
GI	none	Score	.91
Exons	25..613, 641..1548		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10490	Strand	+
Start	2406	End	2606
Name	OJ990722_12.9A08.C8.o2.np	Method	AAT/NAP
Start	2406	End	2606
GI	4680186	Score	330
Exons	2406..2606		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10491	Strand	-
Start	2391	End	2539
Name	OJ990722_12.9A08.C8.o2.tw	Method	TBLASTX:Wheat
Start	1	End	297
GI	none	Score	173
Exons	1..297		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10491	Strand	-
Start	2391	End	2539
Name	OJ990722_12.9A08.C8.o2.tm	Method	TBLASTX:Maize
Start	358	End	621
GI	none	Score	206
Exons	358..621, 465..614		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10491	Strand	-
Start	2391	End	2539
Name	OJ990722_12.9A08.C8.o1.tw	Method	TBLASTX:Wheat
Start	466	End	855

GI	none	Score	213
Exons	466..855, 736..846		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10491	Strand	-
Start	2391	End	2539
Name	OJ990722_12.9A08.C8.o1.tm	Method	TBLASTX:Maize
Start	625	End	987
GI	none	Score	340
Exons	625..987, 717..986		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10491	Strand	-
Start	2391	End	2539
Name	OJ990722_12.9A08.C8.o1.ts	Method	TBLASTX:Soybean
Start	628	End	1002
GI	none	Score	89
Exons	628..771, 654..773, 777..995, 778..1002		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10491	Strand	-
Start	2391	End	2539
Name	OJ990722_12.9A08.C8.o3.tm	Method	TBLASTX:Maize
Start	1018	End	1260
GI	none	Score	198
Exons	1018..1260		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10491	Strand	-
Start	2391	End	2539
Name	OJ990722_12.9A08.C8.o4.tm	Method	TBLASTX:Maize
Start	1267	End	1527
GI	none	Score	179
Exons	1267..1527, 1317..1502		

Seq. No.	5042	Seq. ID	OJ990722_12.9A08.C8
Gene No.	10491	Strand	-
Start	2391	End	2539
Name	OJ990722_12.9A08.C8.o1.gp	Method	AAT/GAP
Start	2391	End	2539
GI	uC-osflcyp033a04b1	Score	249
Exons	2391..2539		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5043	Seq. ID	OJ990722_12.9A08.C9
Gene No.	10492	Strand	+
Start	628	End	2103
Name	OJ990722_12.9A08.C9.o1.np	Method	AAT/NAP
Start	628	End	2103
GI	4680179	Score	965
Exons	628..1676, 1704..1862, 2045..2103		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5043	Seq. ID	OJ990722_12.9A08.C9
Gene No.	10492	Strand	+
Start	628	End	2103

Name	OJ990722_12.9A08.C9.o2.tw	Method	TBLASTX:Wheat
Start	663	End	1539
GI	none	Score	43
Exons	663..731, 824..1024, 843..1025, 1495..1539		

Seq. No.	5043	Seq. ID	OJ990722_12.9A08.C9
Gene No.	10492	Strand	+
Start	628	End	2103
Name	OJ990722_12.9A08.C9.o1.tw	Method	TBLASTX:Wheat
Start	1074	End	1427
GI	none	Score	320
Exons	1074..1271, 1077..1427		

Seq. No.	5043	Seq. ID	OJ990722_12.9A08.C9
Gene No.	10492	Strand	+
Start	628	End	2103
Name	OJ990722_12.9A08.C9.o1.tm	Method	TBLASTX:Maize
Start	1077	End	1382
GI	none	Score	244
Exons	1077..1382		

Seq. No.	5043	Seq. ID	OJ990722_12.9A08.C9
Gene No.	10492	Strand	+
Start	628	End	2103
Name	OJ990722_12.9A08.C9.o3.tw	Method	TBLASTX:Wheat
Start	1593	End	1844
GI	none	Score	82
Exons	1593..1715, 1607..1648, 1701..1844, 1760..1843		

Seq. No.	5043	Seq. ID	OJ990722_12.9A08.C9
Gene No.	10492	Strand	+
Start	628	End	2103
Name	OJ990722_12.9A08.C9.o2.np	Method	AAT/NAP
Start	1857	End	2103
GI	4206306	Score	193
Exons	1857..2103		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	5044	Seq. ID	OJ990722_12.9A08.C10
Gene No.	10493	Strand	+
Start	1	End	681
Name	OJ990722_12.9A08.C10.o1.np	Method	AAT/NAP
Start	1	End	681
GI	5852180	Score	403
Exons	1..24, 112..242, 294..681		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5044	Seq. ID	OJ990722_12.9A08.C10
Gene No.	10493	Strand	+
Start	1	End	681
Name	OJ990722_12.9A08.C10.o1.gs	Method	GENSCAN
Start	312	End	672
GI	none	Score	1
Exons	312..672		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10494	Strand	+

Start	3642	End	4736
Name	OJ990722_12.9A08.C11.o2.np	Method	AAT/NAP
Start	3642	End	4736
GI	4680186	Score	372
Exons	3642..3695, 4536..4736		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o1.np	Method	AAT/NAP
Start	232	End	5794
GI	4680179	Score	3024
Exons	232..2416, 5697..5794		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o4.tw	Method	TBLASTX:Wheat
Start	277	End	610
GI	none	Score	120
Exons	277..609, 298..606, 341..610		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o1.tm	Method	TBLASTX:Maize
Start	457	End	1055
GI	none	Score	113
Exons	457..738, 473..730, 748..894, 756..896, 894..1055, 900..1052		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o2.tw	Method	TBLASTX:Wheat
Start	610	End	1235
GI	none	Score	57
Exons	610..744, 613..735, 741..1235, 742..972, 845..1018, 894..1172		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o3.tm	Method	TBLASTX:Maize
Start	1104	End	1396
GI	none	Score	213
Exons	1104..1394, 1108..1395, 1244..1396		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o1.ts	Method	TBLASTX:Soybean
Start	1194	End	1454
GI	none	Score	112
Exons	1194..1397, 1194..1454, 1195..1449		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11

Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o1.tw	Method	TBLASTX:Wheat
Start	1242	End	1769
GI	none	Score	328
Exons	1242..1769, 1243..1722		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o3.tw	Method	TBLASTX:Wheat
Start	1770	End	2234
GI	none	Score	238
Exons	1770..2234, 1809..2171, 1813..2202		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o2.tm	Method	TBLASTX:Maize
Start	1800	End	2163
GI	none	Score	180
Exons	1800..2162, 1809..2162, 1813..2163		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o2.ts	Method	TBLASTX:Soybean
Start	1983	End	2228
GI	none	Score	95
Exons	1983..2228, 1984..2211		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o4.tm	Method	TBLASTX:Maize
Start	2169	End	2354
GI	none	Score	116
Exons	2169..2354, 2170..2349		

Seq. No.	5045	Seq. ID	OJ990722_12.9A08.C11
Gene No.	10495	Strand	-
Start	232	End	5794
Name	OJ990722_12.9A08.C11.o1.gp	Method	AAT/GAP
Start	4288	End	4669
GI	uC-osf1cyp033a04b1	Score	691
Exons	4288..4669		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10496	Strand	+
Start	3017	End	6236
Name	OJ990722_12.9A08.C12.o2.gs	Method	GENSCAN
Start	3017	End	6236
GI	none	Score	.6
Exons	3017..3073, 3319..3340, 3680..3931, 3948..4096, 4801..4902, 5276..5308, 6180..6236		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10497	Strand	-
Start	1024	End	1953
Name	OJ990722_12.9A08.C12.o1.gp	Method	AAT/GAP
Start	758	End	1331
GI	none	Score	1089
Exons	758..1331		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10497	Strand	-
Start	1024	End	1953
Name	OJ990722_12.9A08.C12.o1.gs	Method	GENSCAN
Start	1024	End	1877
GI	none	Score	.87
Exons	1024..1404, 1593..1877		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10497	Strand	-
Start	1024	End	1953
Name	OJ990722_12.9A08.C12.o2.gp	Method	AAT/GAP
Start	1343	End	1953
GI	2428783	Score	774
Exons	1343..1404, 1593..1953		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10498	Strand	-
Start	2891	End	3074
Name	OJ990722_12.9A08.C12.o3.gp	Method	AAT/GAP
Start	2891	End	3074
GI	none	Score	249
Exons	2891..3074		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o1.np	Method	AAT/NAP
Start	4909	End	11137
GI	4680204	Score	1080
Exons	4909..4935, 7467..7577, 7928..8147, 8244..8417, 8527..9626, 9701..11137		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o4.gp	Method	AAT/GAP
Start	6998	End	7098
GI	21474_1.R1084	Score	147
Exons	6998..7098		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o3.gs	Method	GENSCAN

Start	7425	End	14416
GI	none	Score	.7
Exons	7425..7607, 7687..7785, 7880..7952, 8037..8147, 8244..8417, 8527..9212, 9214..9359, 9485..9626, 9701..11122, 11780..12585, 12936..13096, 13282..13399, 13460..13727, 13772..14416		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o6.tw	Method	TBLASTX:Wheat
Start	8078	End	8600
GI	none	Score	70
Exons	8078..8149, 8249..8431, 8256..8381, 8520..8600		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o5.tw	Method	TBLASTX:Wheat
Start	10091	End	10494
GI	none	Score	83
Exons	10091..10261, 10224..10391, 10256..10492, 10343..10492, 10354..10494, 10378..10494		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o1.tw	Method	TBLASTX:Wheat
Start	11768	End	12883
GI	none	Score	99
Exons	11768..11854, 11775..11855, 11829..11924, 11861..11920, 11927..11971, 11932..11967, 11966..12625, 11982..12626, 12418..12627, 12620..12883, 12625..12882, 12626..12883		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o6.gp	Method	AAT/GAP
Start	11778	End	14460
GI	342_1.R1084	Score	4726
Exons	11778..14460		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o7.gp	Method	AAT/GAP
Start	11778	End	14460
GI	342_1.R1084	Score	4724
Exons	11778..14460		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o5.gp	Method	AAT/GAP

Start	11780	End	14460
GI	342_1.R1084	Score	4723
Exons	11780..14460		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o2.np	Method	AAT/NAP
Start	12051	End	14029
GI	6742729	Score	3074
Exons	12051..14029		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o1.tc	Method	TBLASTX:Cress
Start	12148	End	12600
GI	none	Score	92
Exons	12148..12399, 12149..12298, 12149..12592, 12153..12596, 12159..12596, 12418..12600		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o2.tm	Method	TBLASTX:Maize
Start	12494	End	12969
GI	none	Score	198
Exons	12494..12625, 12625..12969		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o3.tw	Method	TBLASTX:Wheat
Start	12884	End	13314
GI	none	Score	81
Exons	12884..12970, 12886..12975, 12886..12969, 13003..13080, 13003..13089, 13043..13087, 13108..13245, 13116..13241, 13119..13250, 13121..13249, 13251..13313, 13264..13314		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o2.ts	Method	TBLASTX:Soybean
Start	13347	End	13589
GI	none	Score	200
Exons	13347..13589		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o1.tm	Method	TBLASTX:Maize
Start	13419	End	13876
GI	none	Score	64
Exons	13419..13613, 13623..13748, 13742..13864, 13748..13876		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o2.tw	Method	TBLASTX:Wheat
Start	13453	End	13921
GI	none	Score	161
Exons	13453..13659, 13453..13662, 13663..13749, 13763..13867, 13869..13913	13458..13682, 13662..13748, 13767..13856, 13868..13921,	

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o2.tc	Method	TBLASTX:Cress
Start	13742	End	14057
GI	none	Score	74
Exons	13742..14050, 13770..13865, 13905..14057		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o1.ts	Method	TBLASTX:Soybean
Start	13790	End	14219
GI	none	Score	121
Exons	13790..14086, 13808..14032, 14081..14143, 14136..14219, 14144..14218		

Seq. No.	5046	Seq. ID	OJ990722_12.9A08.C12
Gene No.	10499	Strand	-
Start	4909	End	14460
Name	OJ990722_12.9A08.C12.o4.tw	Method	TBLASTX:Wheat
Start	14140	End	14452
GI	none	Score	187
Exons	14140..14391, 14150..14401, 14151..14393, 14384..14452		

Seq. No.	5047	Seq. ID	OJ990722_12.9A08.C14
Gene No.	10500	Strand	+
Start	34	End	1121
Name	OJ990722_12.9A08.C14.o1.gs	Method	GENSCAN
Start	34	End	1121
GI	none	Score	.73
Exons	34..630, 717..1121		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10501	Strand	+
Start	61	End	905
Name	OJ990722_12.9A08.C15.o1.gs	Method	GENSCAN
Start	61	End	905
GI	none	Score	.96
Exons	61..136, 222..905		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10502	Strand	+
Start	5858	End	9392
Name	OJ990722_12.9A08.C15.o3.gs	Method	GENSCAN
Start	5858	End	9392

GI	none	Score	.5
Exons	5858..5940, 6167..6295, 6484..6532, 6636..6891, 7135..7246, 7855..7906, 9156..9392		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10503	Strand	+
Start	11114	End	13504
Name	OJ990722_12.9A08.C15.o2.np	Method	AAT/NAP
Start	11114	End	13504
GI	3152595	Score	818
Exons	11114..11649, 12831..12899, 13033..13206, 13295..13504		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10504	Strand	-
Start	1323	End	6195
Name	OJ990722_12.9A08.C15.o1.np	Method	AAT/NAP
Start	1323	End	6195
GI	4206306	Score	1248
Exons	1323..4455, 6149..6195		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o5.ts	Method	TBLASTX:Soybean
Start	1317	End	1562
GI	none	Score	131
Exons	1317..1562, 1321..1560, 1323..1562		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o4.ts	Method	TBLASTX:Soybean
Start	1993	End	2301
GI	none	Score	72
Exons	1993..2301, 2083..2196		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o4.tw	Method	TBLASTX:Wheat
Start	2071	End	2460
GI	none	Score	158
Exons	2071..2127, 2152..2460		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o3.tm	Method	TBLASTX:Maize
Start	2134	End	2466
GI	none	Score	189
Exons	2134..2466		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15

Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o3.tw	Method	TBLASTX:Wheat
Start	2722	End	3121
GI	none	Score	42
Exons	2722..2991, 2774..2875, 2912..2992, 3031..3120, 3032..3121		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o2.ts	Method	TBLASTX:Soybean
Start	2753	End	3166
GI	none	Score	139
Exons	2753..3007, 2755..3006, 3028..3165, 3032..3166		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o3.ts	Method	TBLASTX:Soybean
Start	3316	End	3786
GI	none	Score	83
Exons	3316..3504, 3323..3460, 3505..3786, 3524..3748		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o2.tw	Method	TBLASTX:Wheat
Start	3403	End	3783
GI	none	Score	191
Exons	3403..3504, 3466..3783		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o1.tm	Method	TBLASTX:Maize
Start	3472	End	3933
GI	none	Score	283
Exons	3472..3933, 3473..3931, 3652..3933		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o1.tw	Method	TBLASTX:Wheat
Start	3802	End	4208
GI	none	Score	266
Exons	3802..4146, 3803..4135, 3805..4161, 4119..4208, 4152..4208		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o2.tm	Method	TBLASTX:Maize
Start	3934	End	4152
GI	none	Score	205
Exons	3934..4152, 3935..4135, 3952..4152		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-

Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o6.ts	Method	TBLASTX:Soybean
Start	4003	End	4359
GI	none	Score	67
Exons	4003..4137, 4152..4358, 4180..4359		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o4.gs	Method	GENSCAN
Start	10266	End	13389
GI	none	Score	.69
Exons	10266..10358, 10449..10597, 11099..11255, 11437..11713, 12474..12576, 13318..13389		

Seq. No.	5048	Seq. ID	OJ990722_12.9A08.C15
Gene No.	10505	Strand	-
Start	10266	End	13426
Name	OJ990722_12.9A08.C15.o1.ts	Method	TBLASTX:Soybean
Start	13059	End	13426
GI	none	Score	198
Exons	13059..13205, 13060..13206, 13063..13209, 13288..13401, 13292..13426, 13294..13425		

Seq. No.	5049	Seq. ID	OJ990722_12.9A08.C16
Gene No.	10506	Strand	-
Start	512	End	1289
Name	OJ990722_12.9A08.C16.o1.gs	Method	GENSCAN
Start	512	End	1289
GI	none	Score	.76
Exons	512..614, 1110..1289		

Seq. No.	5050	Seq. ID	OJ990722_12.9A08.C17
Gene No.	10507	Strand	+
Start	1	End	2305
Name	OJ990722_12.9A08.C17.o1.gp	Method	AAT/GAP
Start	1	End	382
GI	LIB3477-003-P1-K1-E9	Score	97
Exons	1..65, 350..382		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5050	Seq. ID	OJ990722_12.9A08.C17
Gene No.	10507	Strand	+
Start	1	End	2305
Name	OJ990722_12.9A08.C17.o1.np	Method	AAT/NAP
Start	229	End	2305
GI	3152595	Score	448
Exons	229..420, 543..620, 2166..2305		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	5050	Seq. ID	OJ990722_12.9A08.C17
Gene No.	10507	Strand	+
Start	1	End	2305

Name	OJ990722_12.9A08.C17.o1.gs	Method	GENSCAN
Start	239	End	1478
GI	none	Score	.81
Exons	239..420, 543..620, 892..1088, 1151..1478		

Seq. No.	5050	Seq. ID	OJ990722_12.9A08.C17
Gene No.	10508	Strand	-
Start	2140	End	2363
Name	OJ990722_12.9A08.C17.o2.gs	Method	GENSCAN
Start	2140	End	2363
GI	none	Score	.86
Exons	2140..2254, 2344..2363		

Seq. No.	5051	Seq. ID	OJ990722_12.9A08.C19
Gene No.	10509	Strand	+
Start	1	End	330
Name	OJ990722_12.9A08.C19.o1.gp	Method	AAT/GAP
Start	1	End	330
GI	2428185	Score	520
Exons	1..330		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	5051	Seq. ID	OJ990722_12.9A08.C19
Gene No.	10510	Strand	+
Start	317	End	478
Name	OJ990722_12.9A08.C19.o1.np	Method	AAT/NAP
Start	317	End	478
GI	6063554	Score	97
Exons	317..478		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5052	Seq. ID	OJ990712_13.9A01.C1
Gene No.	10511	Strand	+
Start	338	End	1554
Name	OJ990712_13.9A01.C1.o1.np	Method	AAT/NAP
Start	338	End	1554
GI	5852179	Score	287
Exons	338..573, 648..886, 1527..1554		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	5052	Seq. ID	OJ990712_13.9A01.C1
Gene No.	10511	Strand	+
Start	338	End	1554
Name	OJ990712_13.9A01.C1.o1.gs	Method	GENSCAN
Start	463	End	1234
GI	none	Score	.75
Exons	463..569, 574..1234		

Seq. No.	5053	Seq. ID	OJ990712_13.9A01.C2
Gene No.	10512	Strand	+
Start	787	End	2620
Name	OJ990712_13.9A01.C2.o1.gs	Method	GENSCAN
Start	787	End	1581
GI	none	Score	.98

Exons	787..1581		
Seq. No.	5053	Seq. ID	OJ990712_13.9A01.C2
Gene No.	10512	Strand	+
Start	787	End	2620
Name	OJ990712_13.9A01.C2.o1.np	Method	AAT/NAP
Start	787	End	1583
GI	4512231	Score	1294
Exons	787..1583		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	5053	Seq. ID	OJ990712_13.9A01.C2
Gene No.	10512	Strand	+
Start	787	End	2620
Name	OJ990712_13.9A01.C2.o2.np	Method	AAT/NAP
Start	1257	End	2620
GI	4680179	Score	715
Exons	1257..1313, 1865..2620		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	5053	Seq. ID	OJ990712_13.9A01.C2
Gene No.	10512	Strand	+
Start	787	End	2620
Name	OJ990712_13.9A01.C2.o2.gs	Method	GENSCAN
Start	1853	End	2488
GI	none	Score	.84
Exons	1853..2488		
Seq. No.	5053	Seq. ID	OJ990712_13.9A01.C2
Gene No.	10512	Strand	+
Start	787	End	2620
Name	OJ990712_13.9A01.C2.o2.tw	Method	TBLASTX:Wheat
Start	2017	End	2215
GI	none	Score	193
Exons	2017..2214, 2033..2215		
Seq. No.	5053	Seq. ID	OJ990712_13.9A01.C2
Gene No.	10512	Strand	+
Start	787	End	2620
Name	OJ990712_13.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	2264	End	2617
GI	none	Score	314
Exons	2264..2461, 2267..2617		
Seq. No.	5053	Seq. ID	OJ990712_13.9A01.C2
Gene No.	10512	Strand	+
Start	787	End	2620
Name	OJ990712_13.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	2267	End	2572
GI	none	Score	238
Exons	2267..2572		
Seq. No.	5054	Seq. ID	OJ990712_13.9A01.C3
Gene No.	10513	Strand	-
Start	288	End	656
Name	OJ990712_13.9A01.C3.o1.np	Method	AAT/NAP
Start	288	End	656

GI	6063554	Score	83
Exons	288..458, 561..656		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o1.gs	Method	GENSCAN
Start	198	End	5903
GI	none	Score	.64
Exons	198..266, 1365..1471, 2083..2550, 2720..2860, 3297..3393, 3414..3526, 3642..3771, 3922..4257, 4462..4494, 4732..5498, 5532..5903		

Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o1.np	Method	AAT/NAP
Start	2149	End	3036
GI	5042448	Score	1351
Exons	2149..2719, 2750..3036		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o2.np	Method	AAT/NAP
Start	3297	End	5932
GI	4680179	Score	4124
Exons	3297..5932		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o5.tw	Method	TBLASTX:Wheat
Start	3549	End	3778
GI	none	Score	199
Exons	3549..3767, 3590..3775, 3677..3778		

Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o3.tw	Method	TBLASTX:Wheat
Start	3801	End	4166
GI	none	Score	239
Exons	3801..4100, 3806..4012, 4086..4166		

Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	3804	End	4100
GI	none	Score	188

Exons	3804..4100, 3821..3991		
Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o4.tw	Method	TBLASTX:Wheat
Start	4443	End	4859
GI	none	Score	147
Exons	4443..4637, 4460..4591, 4698..4859, 4703..4858		
Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	5022	End	5501
GI	none	Score	536
Exons	5022..5501, 5099..5461, 5133..5495		
Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	5033	End	5323
GI	none	Score	80
Exons	5033..5314, 5034..5321, 5093..5323		
Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	5058	End	5372
GI	none	Score	181
Exons	5058..5372, 5174..5371		
Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	5391	End	5891
GI	none	Score	151
Exons	5391..5570, 5556..5891, 5642..5773, 5798..5848		
Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	5445	End	5840
GI	none	Score	57
Exons	5445..5477, 5445..5489, 5481..5840, 5481..5711, 5585..5839		
Seq. No.	5055	Seq. ID	OJ990712_13.9A01.C4
Gene No.	10514	Strand	+
Start	198	End	5932
Name	OJ990712_13.9A01.C4.o2.tw	Method	TBLASTX:Wheat
Start	5553	End	5932
GI	none	Score	485
Exons	5553..5930, 5553..5846, 5585..5932		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10515	Strand	+
Start	1	End	4024
Name	OJ990712_13.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	992
GI	4680179	Score	1603
Exons	1..992		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10515	Strand	+
Start	1	End	4024
Name	OJ990712_13.9A01.C5.o1.gs	Method	GENSCAN
Start	154	End	4024
GI	none	Score	.43
Exons	154..857, 3062..3585, 3616..4024		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o3.tm	Method	TBLASTX:Maize
Start	1	End	5457
GI	none	Score	48
Exons	1..39, 2..40, 46..120, 48..116, 5166..5456, 5169..5324, 5170..5457		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	2	End	5297
GI	none	Score	37
Exons	2..37, 43..264, 48..269, 178..282, 267..614, 269..613, 4671..5297, 4672..4731, 4680..5240, 4792..5295		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	169	End	5118
GI	none	Score	143
Exons	169..264, 175..258, 177..269, 177..272, 267..329, 287..322, 322..387, 326..766, 326..754, 327..767, 4533..4958, 4534..4731, 4554..4838, 4798..4959, 4956..5117, 4963..5118		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o6.tw	Method	TBLASTX:Wheat
Start	614	End	4671
GI	none	Score	363
Exons	614..829, 615..947, 4338..4670, 4389..4667, 4390..4671		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055

Name	OJ990712_13.9A01.C5.o2.gs	Method	GENSCAN
Start	4290	End	8022
GI	none	Score	.57
Exons	4290..6028, 6137..7594, 7616..7831, 7845..8022		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o2.np	Method	AAT/NAP
Start	4293	End	8055
GI	4680179	Score	4891
Exons	4293..7673, 7701..8055		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o2.ts	Method	TBLASTX:Soybean
Start	5256	End	5516
GI	none	Score	187
Exons	5256..5516, 5257..5505		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	5280	End	5606
GI	none	Score	87
Exons	5280..5423, 5281..5421, 5424..5606		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	5304	End	5843
GI	none	Score	197
Exons	5304..5585, 5304..5843, 5308..5802		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o2.tm	Method	TBLASTX:Maize
Start	5871	End	6224
GI	none	Score	43
Exons	5871..6224, 5878..5910, 5956..6021, 6061..6219		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o3.tw	Method	TBLASTX:Wheat
Start	5871	End	6296
GI	none	Score	214
Exons	5871..6221, 5871..6296, 5878..6294		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055

Name	OJ990712_13.9A01.C5.o4.ts	Method	TBLASTX:Soybean
Start	6042	End	6290
GI	none	Score	187
Exons	6042..6290		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o5.tm	Method	TBLASTX:Maize
Start	6231	End	6563
GI	none	Score	141
Exons	6231..6563, 6232..6510		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o5.tw	Method	TBLASTX:Wheat
Start	6297	End	6580
GI	none	Score	250
Exons	6297..6560, 6298..6558, 6506..6580		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	6312	End	6707
GI	none	Score	189
Exons	6312..6563, 6322..6555, 6528..6668, 6618..6671, 6628..6669, 6675..6707, 6675..6707		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o4.tm	Method	TBLASTX:Maize
Start	6618	End	7065
GI	none	Score	76
Exons	6618..7061, 6823..7065		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o4.tw	Method	TBLASTX:Wheat
Start	6648	End	7131
GI	none	Score	208
Exons	6648..7130, 6651..7103, 6691..7131		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o3.ts	Method	TBLASTX:Soybean
Start	6780	End	7094
GI	none	Score	199
Exons	6780..7094		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055

Name	OJ990712_13.9A01.C5.o6.tm	Method	TBLASTX:Maize
Start	7066	End	7259
GI	none	Score	145
Exons	7066..7212, 7068..7259		

Seq. No.	5056	Seq. ID	OJ990712_13.9A01.C5
Gene No.	10516	Strand	-
Start	4290	End	8055
Name	OJ990712_13.9A01.C5.o7.tw	Method	TBLASTX:Wheat
Start	7263	End	7616
GI	none	Score	242
Exons	7263..7616		

Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10517	Strand	+
Start	5672	End	15016
Name	OJ990712_13.9A01.C6.o3.np	Method	AAT/NAP
Start	5672	End	15016
GI	5852175	Score	209
Exons	5672..6011, 8625..8761, 9195..9311, 12382..12568, 13429..13567, 14867..15016		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10518	Strand	-
Start	1	End	12643
Name	OJ990712_13.9A01.C6.o1.np	Method	AAT/NAP
Start	1	End	2933
GI	4680179	Score	1468
Exons	1..27, 648..1292, 1320..2324, 2877..2933		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10518	Strand	-
Start	1	End	12643
Name	OJ990712_13.9A01.C6.o2.np	Method	AAT/NAP
Start	2607	End	3403
GI	4512231	Score	1266
Exons	2607..3403		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa].		

Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10518	Strand	-
Start	1	End	12643
Name	OJ990712_13.9A01.C6.o2.gs	Method	GENSCAN
Start	2609	End	12643
GI	none	Score	.54
Exons	2609..3403, 4374..4462, 5758..5840, 5894..6044, 8468..8644, 8698..9304, 9683..9868, 10064..10219, 10898..10987, 12373..12550, 12555..12643		

Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10518	Strand	-
Start	1	End	12643
Name	OJ990712_13.9A01.C6.o1.gp	Method	AAT/GAP
Start	4727	End	5164
GI	2428185	Score	707

Exons	4727..5164		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		
Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10519	Strand	-
Start	14051	End	14404
Name	OJ990712_13.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	44	End	301
GI	none	Score	237
Exons	44..298, 63..296, 77..301		
Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10519	Strand	-
Start	14051	End	14404
Name	OJ990712_13.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	62	End	322
GI	none	Score	185
Exons	62..322, 63..311		
Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10519	Strand	-
Start	14051	End	14404
Name	OJ990712_13.9A01.C6.o1.tw	Method	TBLASTX:Wheat
Start	110	End	682
GI	none	Score	378
Exons	110..682, 114..608		
Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10519	Strand	-
Start	14051	End	14404
Name	OJ990712_13.9A01.C6.o3.tw	Method	TBLASTX:Wheat
Start	882	End	1235
GI	none	Score	247
Exons	882..1235		
Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10519	Strand	-
Start	14051	End	14404
Name	OJ990712_13.9A01.C6.o2.tw	Method	TBLASTX:Wheat
Start	1569	End	1922
GI	none	Score	71
Exons	1569..1919, 1725..1922		
Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10519	Strand	-
Start	14051	End	14404
Name	OJ990712_13.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	1614	End	1919
GI	none	Score	106
Exons	1614..1919, 1683..1919		
Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10519	Strand	-
Start	14051	End	14404
Name	OJ990712_13.9A01.C6.o4.tw	Method	TBLASTX:Wheat
Start	1971	End	2169

GI	none	Score	129
Exons	1971..2168, 1972..2169		

Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10519	Strand	-
Start	14051	End	14404
Name	OJ990712_13.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	6022	End	6660
GI	none	Score	73
Exons	6022..6111, 6022..6120, 6085..6189, 6110..6190, 6113..6190, 6425..6532, 6426..6542, 6426..6545, 6427..6558, 6530..6646, 6536..6658, 6538..6660, 6540..6659		

Seq. No.	5057	Seq. ID	OJ990712_13.9A01.C6
Gene No.	10519	Strand	-
Start	14051	End	14404
Name	OJ990712_13.9A01.C6.o3.gp	Method	AAT/GAP
Start	14051	End	14404
GI	61605_3.R1084	Score	442
Exons	14051..14308, 14371..14404		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	5058	Seq. ID	OJ990712_13.9A01.C7
Gene No.	10520	Strand	+
Start	1	End	6020
Name	OJ990712_13.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	1853
GI	4325357	Score	331
Exons	1..420, 1226..1853		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	5058	Seq. ID	OJ990712_13.9A01.C7
Gene No.	10520	Strand	+
Start	1	End	6020
Name	OJ990712_13.9A01.C7.o1.gs	Method	GENSCAN
Start	66	End	6020
GI	none	Score	.49
Exons	66..654, 827..1742, 1748..1964, 2666..2883, 5002..5062, 5688..6020		

Seq. No.	5058	Seq. ID	OJ990712_13.9A01.C7
Gene No.	10521	Strand	-
Start	8612	End	8803
Name	OJ990712_13.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	69	End	344
GI	none	Score	184
Exons	69..344		

Seq. No.	5058	Seq. ID	OJ990712_13.9A01.C7
Gene No.	10521	Strand	-
Start	8612	End	8803
Name	OJ990712_13.9A01.C7.o1.tw	Method	TBLASTX:Wheat
Start	69	End	362
GI	none	Score	185

Exons	69..281, 255..362		
Seq. No.	5058	Seq. ID	OJ990712_13.9A01.C7
Gene No.	10521	Strand	-
Start	8612	End	8803
Name	OJ990712_13.9A01.C7.o1.tc	Method	TBLASTX:Cress
Start	81	End	374
GI	none	Score	205
Exons	81..374		
Seq. No.	5058	Seq. ID	OJ990712_13.9A01.C7
Gene No.	10521	Strand	-
Start	8612	End	8803
Name	OJ990712_13.9A01.C7.o2.tw	Method	TBLASTX:Wheat
Start	1162	End	1533
GI	none	Score	107
Exons	1162..1290, 1354..1533, 1365..1517		
Seq. No.	5058	Seq. ID	OJ990712_13.9A01.C7
Gene No.	10521	Strand	-
Start	8612	End	8803
Name	OJ990712_13.9A01.C7.o2.gs	Method	GENSCAN
Start	8612	End	8803
GI	none	Score	.98
Exons	8612..8803		
Seq. No.	5059	Seq. ID	OJ990712_13.9A01.C8
Gene No.	10522	Strand	+
Start	2023	End	2180
Name	OJ990712_13.9A01.C8.o1.gs	Method	GENSCAN
Start	2023	End	2180
GI	none	Score	.57
Exons	2023..2180		
Seq. No.	5059	Seq. ID	OJ990712_13.9A01.C8
Gene No.	10523	Strand	-
Start	691	End	1478
Name	OJ990712_13.9A01.C8.o1.np	Method	AAT/NAP
Start	691	End	1478
GI	220579	Score	132
Exons	691..1150, 1347..1478		
GI Descrip.	(D00570) open reading frame (196 AA) [Mus musculus]		
Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10524	Strand	+
Start	2106	End	7328
Name	OJ990712_13.9A01.C9.o2.np	Method	AAT/NAP
Start	2106	End	7328
GI	5295955	Score	915
Exons	2106..2128, 4600..4719, 5262..5376, 6059..6184, 6309..6577, 6657..6707, 6747..7328		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10524	Strand	+
Start	2106	End	7328

Name	OJ990712_13.9A01.C9.o2.gs	Method	GENSCAN
Start	6109	End	6525
GI	none	Score	.98
Exons	6109..6525		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10525	Strand	-
Start	1	End	5429
Name	OJ990712_13.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	3655
GI	4680179	Score	4885
Exons	1..3655		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10525	Strand	-
Start	1	End	5429
Name	OJ990712_13.9A01.C9.o1.gs	Method	GENSCAN
Start	454	End	5429
GI	none	Score	.5
Exons	454..771, 835..972, 1068..1619, 1728..3323, 3394..3652, 5362..5429		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o3.tm	Method	TBLASTX:Maize
Start	15	End	8774
GI	none	Score	78
Exons	15..59, 56..259, 94..264, 109..195, 8482..8772, 8486..8671, 8491..8703, 8583..8774		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o2.ts	Method	TBLASTX:Soybean
Start	65	End	8794
GI	none	Score	54
Exons	65..109, 94..324, 8572..8640, 8572..8793, 8726..8794		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o2.tw	Method	TBLASTX:Wheat
Start	112	End	8793
GI	none	Score	207
Exons	112..639, 113..496, 118..573, 8620..8793, 8626..8787		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o3.tw	Method	TBLASTX:Wheat
Start	663	End	1103
GI	none	Score	256
Exons	663..977, 679..1026, 685..987, 686..1030, 1023..1103		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9

Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o2.tm	Method	TBLASTX:Maize
Start	679	End	1026
GI	none	Score	168
Exons	679..1026, 694..990, 764..1012		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o5.tm	Method	TBLASTX:Maize
Start	1029	End	1385
GI	none	Score	110
Exons	1029..1385, 1114..1374		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o5.tw	Method	TBLASTX:Wheat
Start	1104	End	1406
GI	none	Score	200
Exons	1104..1406, 1105..1386		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	1110	End	1514
GI	none	Score	104
Exons	1110..1373, 1119..1478, 1120..1374, 1401..1475, 1482..1514, 1482..1514		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o4.tm	Method	TBLASTX:Maize
Start	1401	End	1872
GI	none	Score	101
Exons	1401..1868, 1434..1781, 1498..1872		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o4.tw	Method	TBLASTX:Wheat
Start	1455	End	1941
GI	none	Score	207
Exons	1455..1937, 1497..1937, 1498..1941		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o7.tw	Method	TBLASTX:Wheat
Start	2112	End	2466
GI	none	Score	79
Exons	2112..2465, 2148..2282, 2371..2466		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9

Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o6.tm	Method	TBLASTX:Maize
Start	2199	End	2519
GI	none	Score	209
Exons	2199..2519		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o8.tw	Method	TBLASTX:Wheat
Start	2799	End	3161
GI	none	Score	61
Exons	2799..2879, 2865..3161, 2916..3071, 2953..3159		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o7.tm	Method	TBLASTX:Maize
Start	2865	End	3161
GI	none	Score	107
Exons	2865..3161, 2974..3144		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o9.tw	Method	TBLASTX:Wheat
Start	3198	End	3417
GI	none	Score	101
Exons	3198..3416, 3199..3417		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o8.tm	Method	TBLASTX:Maize
Start	7599	End	7846
GI	none	Score	41
Exons	7599..7631, 7599..7631, 7633..7845, 7634..7846		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o3.gs	Method	GENSCAN
Start	7606	End	8259
GI	none	Score	.97
Exons	7606..8259		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o3.np	Method	AAT/NAP
Start	7609	End	8794
GI	4680179	Score	1902
Exons	7609..8794		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9

Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o6.tw	Method	TBLASTX:Wheat
Start	7654	End	7987
GI	none	Score	53
Exons	7654..7986, 7655..7735, 7850..7987		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	7846	End	8433
GI	none	Score	135
Exons	7846..8115, 7847..8107, 8176..8271, 8177..8275, 8275..8433, 8279..8425, 8281..8427		

Seq. No.	5060	Seq. ID	OJ990712_13.9A01.C9
Gene No.	10526	Strand	-
Start	7606	End	8794
Name	OJ990712_13.9A01.C9.o1.tw	Method	TBLASTX:Wheat
Start	7987	End	8613
GI	none	Score	328
Exons	7987..8613, 7988..8557		

Seq. No.	5061	Seq. ID	OJ990712_13.9A01.C10
Gene No.	10527	Strand	+
Start	1	End	187
Name	OJ990712_13.9A01.C10.o1.np	Method	AAT/NAP
Start	1	End	187
GI	5295955	Score	177
Exons	1..187		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	5061	Seq. ID	OJ990712_13.9A01.C10
Gene No.	10528	Strand	-
Start	349	End	630
Name	OJ990712_13.9A01.C10.o1.gs	Method	GENSCAN
Start	349	End	630
GI	none	Score	.48
Exons	349..510, 598..630		

Seq. No.	5062	Seq. ID	OJ990712_13.9A01.C11
Gene No.	10529	Strand	+
Start	1474	End	2042
Name	OJ990712_13.9A01.C11.o1.gp	Method	AAT/GAP
Start	1474	End	2042
GI	4879016	Score	840
Exons	1474..2042		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	5062	Seq. ID	OJ990712_13.9A01.C11
Gene No.	10530	Strand	+
Start	2313	End	3889
Name	OJ990712_13.9A01.C11.o1.gs	Method	GENSCAN

Start	2313	End	3889
GI	none	Score	.68
Exons	2313..2423, 3594..3731, 3785..3889		

Seq. No.	5062	Seq. ID	OJ990712_13.9A01.C11
Gene No.	10531	Strand	+
Start	9643	End	10211
Name	OJ990712_13.9A01.C11.o2.gp	Method	AAT/GAP
Start	9643	End	10211
GI	4879016	Score	844
Exons	9643..10211		
GI Descrip.	6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	5062	Seq. ID	OJ990712_13.9A01.C11
Gene No.	10532	Strand	+
Start	10299	End	14965
Name	OJ990712_13.9A01.C11.o3.np	Method	AAT/NAP
Start	10299	End	14965
GI	5852181	Score	101
Exons	10299..10385, 13482..13722, 14939..14965		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	5062	Seq. ID	OJ990712_13.9A01.C11
Gene No.	10532	Strand	+
Start	10299	End	14965
Name	OJ990712_13.9A01.C11.o3.gs	Method	GENSCAN
Start	13845	End	14603
GI	none	Score	.4
Exons	13845..13961, 14247..14603		

Seq. No.	5062	Seq. ID	OJ990712_13.9A01.C11
Gene No.	10533	Strand	-
Start	4805	End	14363
Name	OJ990712_13.9A01.C11.o2.gs	Method	GENSCAN
Start	4805	End	11950
GI	none	Score	.63
Exons	4805..4972, 5065..5313, 5639..6146, 6360..6454, 6573..6764, 6898..7194, 7200..7755, 7791..7920, 7960..8227, 8256..8983, 10029..10180, 11059..11173, 11421..11573, 11620..11736, 11899..11950		

Seq. No.	5062	Seq. ID	OJ990712_13.9A01.C11
Gene No.	10533	Strand	-
Start	4805	End	14363
Name	OJ990712_13.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	7440	End	7783
GI	none	Score	81
Exons	7440..7631, 7441..7554, 7628..7783		

Seq. No.	5062	Seq. ID	OJ990712_13.9A01.C11
Gene No.	10533	Strand	-
Start	4805	End	14363
Name	OJ990712_13.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	8649	End	14363
GI	none	Score	166

Exons	8649..8864, 8880..8981, 14010..14363		
Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10534	Strand	+
Start	1	End	6224
Name	OJ990712_13.9A01.C12.o1.np	Method	AAT/NAP
Start	1	End	5707
GI	6691191	Score	2750
Exons	1..114, 2708..5707		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		
Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10534	Strand	+
Start	1	End	6224
Name	OJ990712_13.9A01.C12.o1.gs	Method	GENSCAN
Start	10	End	4051
GI	none	Score	.49
Exons	10..138, 281..392, 2333..2936, 3147..3237, 3341..4051		
Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10534	Strand	+
Start	1	End	6224
Name	OJ990712_13.9A01.C12.o1.gp	Method	AAT/GAP
Start	1980	End	2089
GI	uC-osflcyp088b12b1	Score	153
Exons	1980..2089		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10534	Strand	+
Start	1	End	6224
Name	OJ990712_13.9A01.C12.o2.gs	Method	GENSCAN
Start	4397	End	6224
GI	none	Score	.62
Exons	4397..4501, 4688..4893, 5093..5196, 5503..5606, 6012..6224		
Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o2.ts	Method	TBLASTX:Soybean
Start	2959	End	3385
GI	none	Score	368
Exons	2959..3363, 3036..3233, 3256..3330, 3362..3385		
Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o2.tw	Method	TBLASTX:Wheat
Start	2959	End	3363
GI	none	Score	402
Exons	2959..3363, 3036..3254		
Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o1.tw	Method	TBLASTX:Wheat

Start	3461	End	3892
GI	none	Score	538
Exons	3461..3892, 3463..3882		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	3626	End	4174
GI	none	Score	282
Exons	3626..4039, 3694..4038, 4058..4174		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o3.ts	Method	TBLASTX:Soybean
Start	3752	End	4105
GI	none	Score	66
Exons	3752..3817, 3817..4032, 3818..4087, 3818..4105		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o3.tw	Method	TBLASTX:Wheat
Start	3896	End	4198
GI	none	Score	361
Exons	3896..4198, 3898..4197		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o5.tw	Method	TBLASTX:Wheat
Start	4211	End	4681
GI	none	Score	175
Exons	4211..4411, 4213..4395, 4403..4498, 4478..4681		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o6.ts	Method	TBLASTX:Soybean
Start	4217	End	4351
GI	none	Score	182
Exons	4217..4351, 4217..4333, 4231..4338		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o1.tc	Method	TBLASTX:Cress
Start	4394	End	4777
GI	none	Score	66
Exons	4394..4471, 4520..4777		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o5.ts	Method	TBLASTX:Soybean
Start	4772	End	5122

GI	none	Score	258
Exons	4772..5122, 4798..5115		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o7.tw	Method	TBLASTX:Wheat
Start	4799	End	5131
GI	none	Score	244
Exons	4799..5131, 4804..5019		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	5123	End	5611
GI	none	Score	343
Exons	5123..5512, 5125..5511, 5522..5611		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o4.tw	Method	TBLASTX:Wheat
Start	5135	End	5515
GI	none	Score	348
Exons	5135..5515, 5191..5511		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o2.np	Method	AAT/NAP
Start	5228	End	9132
GI	1709767	Score	114
Exons	5228..5268, 7296..7931, 9109..9132		
GI Descrip.	36.4 KD PROLINE-RICH PROTEIN gi|100249|pir||S19129 proline-rich protein TPRP-F1 - tomato gi|19390|emb|CAA43666| (X61395) proline rich protein [Lycopersicon esculentum]		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o3.np	Method	AAT/NAP
Start	8533	End	11326
GI	4680203	Score	365
Exons	8533..9461, 11306..11326		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o6.tw	Method	TBLASTX:Wheat
Start	8744	End	9381
GI	none	Score	80
Exons	8744..8845, 8861..8929, 8968..9117, 8969..9118, 9154..9381		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-

Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	8975	End	9267
GI	none	Score	81
Exons	8975..9085, 8977..9084, 9091..9267		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o8.tw	Method	TBLASTX:Wheat
Start	9463	End	9891
GI	none	Score	35
Exons	9463..9492, 9469..9588, 9487..9579, 9637..9891, 9645..9887		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o4.ts	Method	TBLASTX:Soybean
Start	9645	End	9890
GI	none	Score	94
Exons	9645..9890, 9664..9879		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o2.gp	Method	AAT/GAP
Start	10045	End	10154
GI	uC-osflcyp088b12b1	Score	138
Exons	10045..10154		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5063	Seq. ID	OJ990712_13.9A01.C12
Gene No.	10535	Strand	-
Start	5228	End	11326
Name	OJ990712_13.9A01.C12.o5.np	Method	AAT/NAP
Start	10640	End	10729
GI	6721561	Score	74
Exons	10640..10729		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5064	Seq. ID	OJ990712_13.9A01.C13
Gene No.	10536	Strand	+
Start	1	End	1015
Name	OJ990712_13.9A01.C13.o1.np	Method	AAT/NAP
Start	1	End	1015
GI	6815109	Score	167
Exons	1..136, 285..686, 718..1015		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5064	Seq. ID	OJ990712_13.9A01.C13
Gene No.	10537	Strand	+
Start	6331	End	7269

Name	OJ990712_13.9A01.C13.o2.np	Method	AAT/NAP
Start	6331	End	7269
GI	6911845	Score	604
Exons	6331..7269		
GI Descrip.	(AL138649) sulfotransferase-like protein [Arabidopsis thaliana]		

Seq. No.	5064	Seq. ID	OJ990712_13.9A01.C13
Gene No.	10537	Strand	+
Start	6331	End	7269
Name	OJ990712_13.9A01.C13.o1.tc	Method	TBLASTX:Cress
Start	6364	End	7089
GI	none	Score	121
Exons	6364..6588, 6589..6648, 6679..6726, 6760..6813, 6826..6879, 6891..7025, 6892..7089		

Seq. No.	5064	Seq. ID	OJ990712_13.9A01.C13
Gene No.	10537	Strand	+
Start	6331	End	7269
Name	OJ990712_13.9A01.C13.o1.tm	Method	TBLASTX:Maize
Start	6412	End	6630
GI	none	Score	225
Exons	6412..6630, 6414..6572		

Seq. No.	5064	Seq. ID	OJ990712_13.9A01.C13
Gene No.	10537	Strand	+
Start	6331	End	7269
Name	OJ990712_13.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	6421	End	6630
GI	none	Score	258
Exons	6421..6630, 6426..6578		

Seq. No.	5064	Seq. ID	OJ990712_13.9A01.C13
Gene No.	10537	Strand	+
Start	6331	End	7269
Name	OJ990712_13.9A01.C13.o2.tm	Method	TBLASTX:Maize
Start	6706	End	7089
GI	none	Score	35
Exons	6706..6729, 6751..6810, 6850..7089, 6864..7034		

Seq. No.	5065	Seq. ID	OJ990712_13.9A01.C14
Gene No.	10538	Strand	+
Start	1	End	1055
Name	OJ990712_13.9A01.C14.o2.np	Method	AAT/NAP
Start	1	End	964
GI	22490	Score	216
Exons	1..38, 634..964		
GI Descrip.	(X01380) ORF1 [Zea mays]		

Seq. No.	5065	Seq. ID	OJ990712_13.9A01.C14
Gene No.	10538	Strand	+
Start	1	End	1055
Name	OJ990712_13.9A01.C14.o2.tm	Method	TBLASTX:Maize
Start	2	End	365
GI	none	Score	133
Exons	2..151, 216..251, 268..357, 270..365		

Seq. No.	5065	Seq. ID	OJ990712_13.9A01.C14

Gene No.	10538	Strand	+
Start	1	End	1055
Name	OJ990712_13.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	531	End	1055
GI	none	Score	412
Exons	531..902, 539..898, 621..902, 1014..1055		

Seq. No.	5065	Seq. ID	OJ990712_13.9A01.C14
Gene No.	10538	Strand	+
Start	1	End	1055
Name	OJ990712_13.9A01.C14.o1.tw	Method	TBLASTX:Wheat
Start	534	End	800
GI	none	Score	183
Exons	534..800, 623..799		

Seq. No.	5065	Seq. ID	OJ990712_13.9A01.C14
Gene No.	10538	Strand	+
Start	1	End	1055
Name	OJ990712_13.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	612	End	878
GI	none	Score	240
Exons	612..878, 632..865		

Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o1.gs	Method	GENSCAN
Start	1798	End	6568
GI	none	Score	.64
Exons	1798..1845, 2080..2264, 2773..2929, 3412..4224, 4562..4702, 4811..5299, 5701..5832, 5963..6142, 6158..6568		

Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o1.np	Method	AAT/NAP
Start	2106	End	6547
GI	4680203	Score	2865
Exons	2106..2130, 3412..5086, 5240..5469, 5746..6547		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o1.gp	Method	AAT/GAP
Start	2956	End	3550
GI	2310235	Score	290
Exons	2956..2993, 3412..3550		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o2.gp	Method	AAT/GAP
Start	3416	End	7271
GI	342_1.R1084	Score	6504

Exons	3416..7271		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o4.tw	Method	TBLASTX:Wheat
Start	3763	End	4114
GI	none	Score	103
Exons	3763..3870, 3853..4104, 3861..4103, 3863..4114		
Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o1.ts	Method	TBLASTX:Soybean
Start	4035	End	4464
GI	none	Score	93
Exons	4035..4118, 4036..4110, 4111..4173, 4168..4464, 4222..4446		
Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o1.tc	Method	TBLASTX:Cress
Start	4197	End	4545
GI	none	Score	287
Exons	4197..4352, 4204..4545, 4389..4526		
Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o2.tw	Method	TBLASTX:Wheat
Start	4333	End	4803
GI	none	Score	54
Exons	4333..4386, 4341..4385, 4387..4491, 4398..4487, 4494..4787, 4498..4803, 4499..4792		
Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o2.tm	Method	TBLASTX:Maize
Start	4378	End	4837
GI	none	Score	150
Exons	4378..4581, 4390..4575, 4508..4633, 4643..4837		
Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o2.ts	Method	TBLASTX:Soybean
Start	4667	End	4909
GI	none	Score	193
Exons	4667..4909		
Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o3.tw	Method	TBLASTX:Wheat

Start	4942	End	5351
GI	none	Score	87
Exons	4942..4992, 4943..5005, 4991..5233, 5011..5193, 5305..5349, 5307..5351		

Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o1.tw	Method	TBLASTX:Wheat
Start	5352	End	6493
GI	none	Score	320
Exons	5352..5975, 5352..5981, 5353..5982, 5987..6094, 5992..6078, 6087..6128, 6089..6133, 6110..6133, 6136..6231, 6140..6199, 6178..6303, 6179..6319, 6200..6310, 6332..6412, 6401..6493		

Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o1.tm	Method	TBLASTX:Maize
Start	5395	End	5709
GI	none	Score	302
Exons	5395..5709, 5406..5681		

Seq. No.	5066	Seq. ID	OJ990712_13.9A01.C15
Gene No.	10539	Strand	+
Start	1798	End	7271
Name	OJ990712_13.9A01.C15.o2.tc	Method	TBLASTX:Cress
Start	5636	End	5982
GI	none	Score	151
Exons	5636..5791, 5640..5975, 5644..5982, 5650..5820, 5664..5981, 5938..5982		

Seq. No.	5067	Seq. ID	OJ990712_13.9A01.C16
Gene No.	10540	Strand	+
Start	313	End	5102
Name	OJ990712_13.9A01.C16.o1.np	Method	AAT/NAP
Start	313	End	2940
GI	5852179	Score	158
Exons	313..446, 1030..1141, 1216..1431, 2862..2940		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	5067	Seq. ID	OJ990712_13.9A01.C16
Gene No.	10540	Strand	+
Start	313	End	5102
Name	OJ990712_13.9A01.C16.o1.gs	Method	GENSCAN
Start	1035	End	4692
GI	none	Score	.58
Exons	1035..1141, 1146..1447, 1488..1630, 2132..2205, 2259..2383, 3382..3573, 3648..4193, 4652..4692		

Seq. No.	5067	Seq. ID	OJ990712_13.9A01.C16
Gene No.	10540	Strand	+
Start	313	End	5102
Name	OJ990712_13.9A01.C16.o2.np	Method	AAT/NAP
Start	3340	End	5102
GI	5852179	Score	545
Exons	3340..3573, 3648..3907, 5082..5102		

GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		
Seq. No.	5068	Seq. ID	OJ990712_13.9A01.C17
Gene No.	10541	Strand	+
Start	1	End	364
Name	OJ990712_13.9A01.C17.o1.np	Method	AAT/NAP
Start	1	End	364
GI	6063554	Score	104
Exons	1..89, 193..364		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	5069	Seq. ID	OJ990712_13.9A01.C18
Gene No.	10542	Strand	-
Start	858	End	935
Name	OJ990712_13.9A01.C18.o1.gs	Method	GENSCAN
Start	858	End	935
GI	none	Score	.97
Exons	858..935		
Seq. No.	5070	Seq. ID	OJ990712_13.9A01.C20
Gene No.	10543	Strand	-
Start	323	End	790
Name	OJ990712_13.9A01.C20.o1.np	Method	AAT/NAP
Start	323	End	790
GI	6063554	Score	128
Exons	323..497, 708..790		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	5071	Seq. ID	OJ990712_13.9A01.C21
Gene No.	10544	Strand	-
Start	1	End	2672
Name	OJ990712_13.9A01.C21.o1.np	Method	AAT/NAP
Start	1	End	2672
GI	3080389	Score	77
Exons	1..81, 1448..1501, 1901..1976, 2532..2672		
GI Descrip.	(AL022603) putative membrane associated protein [Arabidopsis thaliana]		
Seq. No.	5071	Seq. ID	OJ990712_13.9A01.C21
Gene No.	10544	Strand	-
Start	1	End	2672
Name	OJ990712_13.9A01.C21.o1.gp	Method	AAT/GAP
Start	384	End	2070
GI	4811_1.R1084	Score	983
Exons	384..771, 1901..2070		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		
Seq. No.	5071	Seq. ID	OJ990712_13.9A01.C21
Gene No.	10544	Strand	-
Start	1	End	2672
Name	OJ990712_13.9A01.C21.o1.gs	Method	GENSCAN
Start	582	End	800

GI	none	Score	.62
Exons	582..800		

Seq. No.	5071	Seq. ID	OJ990712_13.9A01.C21
Gene No.	10544	Strand	-
Start	1	End	2672
Name	OJ990712_13.9A01.C21.o2.gs	Method	GENSCAN
Start	2035	End	2572
GI	none	Score	.96
Exons	2035..2187, 2443..2572		

Seq. No.	5072	Seq. ID	OJ990712_13.9A01.C22
Gene No.	10545	Strand	-
Start	1	End	608
Name	OJ990712_13.9A01.C22.o1.np	Method	AAT/NAP
Start	1	End	608
GI	6063557	Score	393
Exons	1..178, 427..608		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	5073	Seq. ID	OJ990712_13.9A01.C23
Gene No.	10546	Strand	-
Start	230	End	867
Name	OJ990712_13.9A01.C23.o1.gs	Method	GENSCAN
Start	230	End	691
GI	none	Score	.44
Exons	230..691		

Seq. No.	5073	Seq. ID	OJ990712_13.9A01.C23
Gene No.	10546	Strand	-
Start	230	End	867
Name	OJ990712_13.9A01.C23.o1.np	Method	AAT/NAP
Start	387	End	867
GI	6063554	Score	74
Exons	387..505, 612..867		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5074	Seq. ID	OJ990712_13.9A01.C25
Gene No.	10547	Strand	+
Start	1	End	685
Name	OJ990712_13.9A01.C25.o2.np	Method	AAT/NAP
Start	1	End	685
GI	4680183	Score	124
Exons	1..27, 596..685		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5074	Seq. ID	OJ990712_13.9A01.C25
Gene No.	10548	Strand	+
Start	1937	End	2557
Name	OJ990712_13.9A01.C25.o3.np	Method	AAT/NAP
Start	1937	End	2557
GI	6721559	Score	514
Exons	1937..2396, 2423..2557		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815084|dbj|BAA90370.1| (AP001081) hypothetical protein		

[Oryza sativa]

Seq. No.	5074	Seq. ID	OJ990712_13.9A01.C25
Gene No.	10549	Strand	-
Start	1	End	563
Name	OJ990712_13.9A01.C25.o1.np	Method	AAT/NAP
Start	1	End	563
GI	6721561	Score	87
Exons	1..43, 457..563		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5074	Seq. ID	OJ990712_13.9A01.C25
Gene No.	10550	Strand	-
Start	7088	End	8264
Name	OJ990712_13.9A01.C25.o4.np	Method	AAT/NAP
Start	7088	End	8264
GI	6017938	Score	429
Exons	7088..8264		
GI Descrip.	(AF181456) dehydrin; DHN6 [Hordeum vulgare]		

Seq. No.	5074	Seq. ID	OJ990712_13.9A01.C25
Gene No.	10551	Strand	-
Start	12834	End	15328
Name	OJ990712_13.9A01.C25.o2.gs	Method	GENSCAN
Start	12834	End	15328
GI	none	Score	.53
Exons	12834..13253, 15230..15328		

Seq. No.	5074	Seq. ID	OJ990712_13.9A01.C25
Gene No.	10551	Strand	-
Start	12834	End	15328
Name	OJ990712_13.9A01.C25.o5.np	Method	AAT/NAP
Start	12906	End	13785
GI	6815097	Score	413
Exons	12906..13785		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	5075	Seq. ID	OJ990712_13.9A01.C27
Gene No.	10552	Strand	+
Start	50	End	157
Name	OJ990712_13.9A01.C27.o1.gs	Method	GENSCAN
Start	50	End	157
GI	none	Score	.73
Exons	50..157		

Seq. No.	5075	Seq. ID	OJ990712_13.9A01.C27
Gene No.	10553	Strand	-
Start	422	End	660
Name	OJ990712_13.9A01.C27.o2.gs	Method	GENSCAN
Start	422	End	589
GI	none	Score	1
Exons	422..589		

Seq. No.	5075	Seq. ID	OJ990712_13.9A01.C27
Gene No.	10553	Strand	-
Start	422	End	660
Name	OJ990712_13.9A01.C27.o1.np	Method	AAT/NAP
Start	425	End	660
GI	4680179	Score	317
Exons	425..660		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5076	Seq. ID	OJ990622_11.9A07.C1
Gene No.	10554	Strand	+
Start	1	End	709
Name	OJ990622_11.9A07.C1.o1.gp	Method	AAT/GAP
Start	1	End	709
GI	17465_1.R1084	Score	264
Exons	1..62, 181..226, 330..400, 680..709		
GI Descrip.	'1825727 2.0e-22 (U88308) C32E8.5 gene product [Caenorhabditis elegans]'		

Seq. No.	5076	Seq. ID	OJ990622_11.9A07.C1
Gene No.	10554	Strand	+
Start	1	End	709
Name	OJ990622_11.9A07.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	410
GI	none	Score	41
Exons	2..64, 10..75, 12..62, 179..226, 179..226, 180..233, 181..234, 321..410, 333..398, 334..399		

Seq. No.	5076	Seq. ID	OJ990622_11.9A07.C1
Gene No.	10554	Strand	+
Start	1	End	709
Name	OJ990622_11.9A07.C1.o1.gs	Method	GENSCAN
Start	149	End	396
GI	none	Score	.57
Exons	149..226, 330..396		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10555	Strand	+
Start	1462	End	8126
Name	OJ990622_11.9A07.C2.o1.gs	Method	GENSCAN
Start	1462	End	8126
GI	none	Score	.77
Exons	1462..1598, 2033..2112, 2813..2881, 2934..3225, 3543..3639, 3718..3984, 4072..4149, 4885..4983, 5559..5667, 5892..6295, 6380..6520, 7179..7314, 8098..8126		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10555	Strand	+
Start	1462	End	8126
Name	OJ990622_11.9A07.C2.o1.gp	Method	AAT/GAP
Start	2014	End	4344
GI	24125_1.R1084	Score	1663
Exons	2014..2112, 2934..3225, 3543..3639, 3718..3984, 4072..4149, 4259..4344		
GI Descrip.	'4914429/emb|CAB43632.1| 1.0e-118 (AL050351) SEC14-like protein [Arabidopsis thaliana]'		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10555	Strand	+
Start	1462	End	8126
Name	OJ990622_11.9A07.C2.o1.np	Method	AAT/NAP
Start	2079	End	6553
GI	4914429	Score	1341
Exons	2079..2112, 2934..3225, 3543..3639, 3715..3984, 4072..4149, 4259..4387, 4591..4722, 4885..4987, 5084..5197, 5562..5655, 5854..6081, 6127..6295, 6446..6553		
GI Descrip.	(AL050351) SEC14-like protein [Arabidopsis thaliana]		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10555	Strand	+
Start	1462	End	8126
Name	OJ990622_11.9A07.C2.o2.gp	Method	AAT/GAP
Start	5628	End	6993
GI	4591_1.R1084	Score	1714
Exons	5628..5667, 5892..6295, 6446..6520, 6613..6993		
GI Descrip.	'4567283/gb|AAD23696.1|AC006841_24 1.0e-35 (AC006841) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10556	Strand	-
Start	8497	End	8805
Name	OJ990622_11.9A07.C2.o2.gs	Method	GENSCAN
Start	8497	End	8805
GI	none	Score	.74
Exons	8497..8805		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10557	Strand	-
Start	10059	End	28379
Name	OJ990622_11.9A07.C2.o3.gs	Method	GENSCAN
Start	10059	End	21783
GI	none	Score	.79
Exons	10059..10275, 12037..12184, 12217..12313, 12411..12507, 12611..12660, 13172..13375, 13651..13695, 14369..14543, 15115..15377, 16244..16256, 16671..17071, 17363..17509, 17590..19653, 20030..20183, 21497..21783		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10557	Strand	-
Start	10059	End	28379
Name	OJ990622_11.9A07.C2.o2.np	Method	AAT/NAP
Start	16305	End	26273
GI	2244793	Score	2165
Exons	16305..16416, 16671..16797, 16828..17071, 17363..17509, 17590..18242, 18288..19272, 19324..19561, 19934..20146, 20245..20331, 20760..20846, 21226..21321, 26244..26273		
GI Descrip.	(Z97336) disease resistance N like protein [Arabidopsis thaliana]		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10557	Strand	-
Start	10059	End	28379
Name	OJ990622_11.9A07.C2.o4.gs	Method	GENSCAN

Start	23783	End	28379
GI	none	Score	.73
Exons	23783..23929, 25124..25270, 25303..25452, 26457..26586, 26908..28379		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10557	Strand	-
Start	10059	End	28379
Name	OJ990622_11.9A07.C2.o3.np	Method	AAT/NAP
Start	26276	End	28354
GI	3298539	Score	566
Exons	26276..26292, 27466..28354		
GI Descrip.	(AC004681) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o1.tm	Method	TBLASTX:Maize
Start	2010	End	6657
GI	none	Score	76
Exons	2010..2111, 2039..2128, 2041..2112, 2079..2114, 2915..3229, 2915..3226, 3534..3641, 3541..3639, 3715..3984, 3744..3983, 4068..4148, 4070..4147, 4071..4148, 4072..4149, 4245..4361, 4247..4363, 4258..4362, 4422..4577, 4487..4537, 4488..4538, 4621..4656, 4652..4720, 4653..4721, 4654..4722, 4876..4983, 4882..4980, 4884..4988, 5080..5196, 5081..5185, 5556..5693, 5556..5681, 5558..5683, 5890..6036, 5890..6105, 5891..6094, 6026..6295, 6073..6294, 6085..6303, 6440..6520, 6440..6523, 6610..6657		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o2.ts	Method	TBLASTX:Soybean
Start	2079	End	6529
GI	none	Score	68
Exons	2079..2114, 2915..3094, 2935..3048, 3062..3229, 3534..3635, 3541..3636, 3715..3795, 3744..3791, 3778..4005, 3780..3983, 4071..4148, 4072..4149, 4247..4363, 4258..4362, 4490..4537, 4491..4577, 4596..4709, 4621..4728, 4621..4725, 4876..4986, 4996..5154, 5083..5196, 6038..6295, 6064..6294, 6115..6303, 6440..6529		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o3.tc	Method	TBLASTX:Cress
Start	3607	End	3957
GI	none	Score	45
Exons	3607..3636, 3700..3933, 3715..3957, 3744..3953		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o1.tw	Method	TBLASTX:Wheat
Start	3739	End	4539
GI	none	Score	386

Exons	3739..4008, 3744..3983, 3863..3988, 4068..4148, 4071..4148, 4072..4149, 4076..4150, 4247..4363, 4258..4362, 4490..4537, 4491..4538, 4492..4539		
Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o5.tc	Method	TBLASTX:Cress
Start	4072	End	4725
GI	none	Score	98
Exons	4072..4149, 4247..4363, 4590..4697, 4621..4698, 4687..4725		
Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o4.tc	Method	TBLASTX:Cress
Start	6127	End	6505
GI	none	Score	204
Exons	6127..6294, 6128..6295, 6440..6505		
Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o5.tm	Method	TBLASTX:Maize
Start	17365	End	17925
GI	none	Score	97
Exons	17365..17511, 17366..17512, 17367..17516, 17566..17670, 17588..17671, 17590..17679, 17726..17752, 17755..17802, 17790..17870, 17791..17880, 17791..17871, 17875..17922, 17875..17925		
Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o3.ts	Method	TBLASTX:Soybean
Start	17878	End	18225
GI	none	Score	161
Exons	17878..18036, 18032..18223, 18056..18202, 18058..18225, 18058..18225		
Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o4.tm	Method	TBLASTX:Maize
Start	18047	End	18258
GI	none	Score	229
Exons	18047..18256, 18049..18258, 18058..18258		
Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o1.ts	Method	TBLASTX:Soybean
Start	18229	End	19281
GI	none	Score	385
Exons	18229..18720, 18230..18718, 18421..18726, 18430..18723, 18763..18999, 18764..18958, 18784..18909, 19042..19230, 19045..19146, 19084..19281, 19183..19275		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o2.tm	Method	TBLASTX:Maize
Start	18259	End	19335
GI	none	Score	75
Exons	18259..18462, 18265..18447, 18265..18462, 18385..18483, 18520..18675, 18577..18720, 18641..18718, 18752..19159, 18754..19335, 18779..18943, 19045..19182, 19087..19314, 19226..19330		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o1.tc	Method	TBLASTX:Cress
Start	18265	End	19335
GI	none	Score	390
Exons	18265..18429, 18280..18456, 18361..18807, 18362..18799, 18763..18930, 18859..18999, 18925..18963, 19045..19125, 19054..19227, 19180..19281, 19183..19335		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o3.tw	Method	TBLASTX:Wheat
Start	27375	End	34921
GI	none	Score	79
Exons	27375..27464, 27394..27465, 27531..27557, 27535..27558, 34712..34786, 34712..34786, 34720..34839, 34801..34881, 34841..34882, 34841..34921, 34845..34919		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o4.ts	Method	TBLASTX:Soybean
Start	27598	End	35212
GI	none	Score	81
Exons	27598..27762, 27603..27755, 27738..27830, 27861..27890, 27903..28112, 34925..35077, 34932..35084, 35072..35164, 35073..35165, 35183..35212		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o2.tc	Method	TBLASTX:Cress
Start	27603	End	35213
GI	none	Score	135
Exons	27603..27911, 27607..27834, 27856..27891, 27888..28079, 27919..28020, 28080..28136, 34898..35212, 34926..35213		

Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o3.tm	Method	TBLASTX:Maize
Start	27672	End	35221
GI	none	Score	55

Exons	27672..27740, 27672..27767, 27673..27768, 27739..27924, 27771..27911, 27816..27944, 27912..28088, 27912..28091, 28077..28115, 28090..28164, 34994..35116, 34994..35092, 35061..35219, 35093..35221, 35096..35221		
Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o2.tw	Method	TBLASTX:Wheat
Start	28016	End	28342
GI	none	Score	126
Exons	28016..28129, 28017..28142, 28017..28148, 28084..28164, 28110..28211, 28117..28212, 28167..28232, 28289..28333, 28295..28342		
Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o5.gs	Method	GENSCAN
Start	30855	End	35197
GI	none	Score	.48
Exons	30855..30998, 32254..32386, 32703..32914, 33462..33612, 33647..33920, 33922..34045, 34508..35197		
Seq. No.	5077	Seq. ID	OJ990622_11.9A07.C2
Gene No.	10558	Strand	-
Start	30855	End	35221
Name	OJ990622_11.9A07.C2.o4.np	Method	AAT/NAP
Start	33736	End	35221
GI	3298539	Score	280
Exons	33736..33962, 34812..35221		
GI Descrip.	(AC004681) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	5078	Seq. ID	OJ990622_11.9A07.C3
Gene No.	10559	Strand	-
Start	15	End	194
Name	OJ990622_11.9A07.C3.o1.gs	Method	GENSCAN
Start	15	End	194
GI	none	Score	.95
Exons	15..194		
Seq. No.	5079	Seq. ID	OJ990622_11.9A07.C4
Gene No.	10560	Strand	+
Start	600	End	674
Name	OJ990622_11.9A07.C4.o1.gs	Method	GENSCAN
Start	600	End	674
GI	none	Score	.66
Exons	600..674		
Seq. No.	5080	Seq. ID	OJ990622_11.9A07.C5
Gene No.	10561	Strand	+
Start	764	End	9046
Name	OJ990622_11.9A07.C5.o1.gs	Method	GENSCAN
Start	764	End	7274
GI	none	Score	.65
Exons	764..855, 1055..1113, 1164..1341, 1486..1509, 2077..2203, 2342..2470, 3571..3737, 3835..3988, 4227..4420, 4940..5033,		

5073..5540, 5953..6174, 6306..6431, 6564..6726, 6872..6982, 7153..7274

Seq. No.	5080	Seq. ID	OJ990622_11.9A07.C5
Gene No.	10561	Strand	+
Start	764	End	9046
Name	OJ990622_11.9A07.C5.o2.np	Method	AAT/NAP
Start	3072	End	9046
GI	4680199	Score	576
Exons	3072..3099, 6243..6796, 6872..6986, 7159..7284, 9016..9046		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5080	Seq. ID	OJ990622_11.9A07.C5
Gene No.	10561	Strand	+
Start	764	End	9046
Name	OJ990622_11.9A07.C5.o1.gp	Method	AAT/GAP
Start	3600	End	3980
GI	30226_1.R1084	Score	350
Exons	3600..3723, 3874..3980		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	5080	Seq. ID	OJ990622_11.9A07.C5
Gene No.	10561	Strand	+
Start	764	End	9046
Name	OJ990622_11.9A07.C5.o1.tw	Method	TBLASTX:Wheat
Start	6444	End	6798
GI	none	Score	226
Exons	6444..6725, 6452..6712, 6717..6797, 6718..6798		

Seq. No.	5080	Seq. ID	OJ990622_11.9A07.C5
Gene No.	10561	Strand	+
Start	764	End	9046
Name	OJ990622_11.9A07.C5.o2.tm	Method	TBLASTX:Maize
Start	6504	End	6718
GI	none	Score	215
Exons	6504..6716, 6551..6718		

Seq. No.	5080	Seq. ID	OJ990622_11.9A07.C5
Gene No.	10561	Strand	+
Start	764	End	9046
Name	OJ990622_11.9A07.C5.o1.ts	Method	TBLASTX:Soybean
Start	6533	End	6963
GI	none	Score	191
Exons	6533..6616, 6537..6716, 6659..6730, 6721..6798, 6871..6963		

Seq. No.	5080	Seq. ID	OJ990622_11.9A07.C5
Gene No.	10561	Strand	+
Start	764	End	9046
Name	OJ990622_11.9A07.C5.o1.tm	Method	TBLASTX:Maize
Start	6874	End	7210
GI	none	Score	213
Exons	6874..7074, 6877..7074, 7082..7210, 7105..7209		

Seq. No.	5081	Seq. ID	OJ990622_11.9A07.C6
Gene No.	10562	Strand	+
Start	88	End	7910

Name	OJ990622_11.9A07.C6.o1.gs	Method	GENSCAN
Start	88	End	7591
GI	none	Score	.51
Exons	88..151, 218..355, 557..610, 940..1082, 1125..1270, 1275..1448, 1509..1739, 1789..1997, 2464..2570, 3429..3616, 4224..4255, 4542..4608, 4796..4853, 5009..5101, 6046..6160, 6527..6574, 6692..6737, 6841..6907, 7545..7591		

Seq. No.	5081	Seq. ID	OJ990622_11.9A07.C6
Gene No.	10562	Strand	+
Start	88	End	7910
Name	OJ990622_11.9A07.C6.o1.gp	Method	AAT/GAP
Start	2457	End	2820
GI	30226_1.R1084	Score	391
Exons	2457..2570, 2718..2820		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	5081	Seq. ID	OJ990622_11.9A07.C6
Gene No.	10562	Strand	+
Start	88	End	7910
Name	OJ990622_11.9A07.C6.o1.np	Method	AAT/NAP
Start	3136	End	7633
GI	1825727	Score	346
Exons	3136..3522, 4796..4867, 5023..5101, 6049..6160, 6527..6574, 6692..6737, 6841..6911, 7545..7633		
GI Descrip.	(U88308) C32E8.5 gene product [Caenorhabditis elegans]		

Seq. No.	5081	Seq. ID	OJ990622_11.9A07.C6
Gene No.	10562	Strand	+
Start	88	End	7910
Name	OJ990622_11.9A07.C6.o2.gp	Method	AAT/GAP
Start	6102	End	7910
GI	17465_1.R1084	Score	1056
Exons	6102..6160, 6527..6574, 6692..6737, 6841..6911, 7545..7910		
GI Descrip.	'1825727 2.0e-22 (U88308) C32E8.5 gene product [Caenorhabditis elegans]'		

Seq. No.	5081	Seq. ID	OJ990622_11.9A07.C6
Gene No.	10563	Strand	+
Start	8279	End	8360
Name	OJ990622_11.9A07.C6.o1.ts	Method	TBLASTX:Soybean
Start	1181	End	1427
GI	none	Score	90
Exons	1181..1369, 1187..1396, 1188..1427		

Seq. No.	5081	Seq. ID	OJ990622_11.9A07.C6
Gene No.	10563	Strand	+
Start	8279	End	8360
Name	OJ990622_11.9A07.C6.o1.tc	Method	TBLASTX:Cress
Start	1187	End	1384
GI	none	Score	153
Exons	1187..1381, 1191..1382, 1211..1384		

Seq. No.	5081	Seq. ID	OJ990622_11.9A07.C6
Gene No.	10563	Strand	+
Start	8279	End	8360

Name	OJ990622_11.9A07.C6.o1.tm	Method	TBLASTX:Maize
Start	3284	End	6910
GI	none	Score	127
Exons	3284..3307, 3329..3379, 3422..3622, 3428..3622, 3534..3635, 4537..4608, 4537..4608, 4793..4864, 4795..4854, 5002..5097, 5003..5065, 5007..5096, 6044..6160, 6045..6161, 6045..6173, 6512..6580, 6522..6587, 6524..6574, 6690..6737, 6690..6737, 6691..6744, 6692..6745, 6832..6909, 6844..6909, 6845..6910		

Seq. No.	5081	Seq. ID	OJ990622_11.9A07.C6
Gene No.	10563	Strand	+
Start	8279	End	8360
Name	OJ990622_11.9A07.C6.o2.ts	Method	TBLASTX:Soybean
Start	5047	End	6165
GI	none	Score	71
Exons	5047..5097, 6044..6148, 6045..6161, 6052..6165, 6075..6164, 6079..6165		

Seq. No.	5081	Seq. ID	OJ990622_11.9A07.C6
Gene No.	10563	Strand	+
Start	8279	End	8360
Name	OJ990622_11.9A07.C6.o2.gs	Method	GENSCAN
Start	8279	End	8360
GI	none	Score	.88
Exons	8279..8360		

Seq. No.	5082	Seq. ID	OJ990622_11.9A07.C7
Gene No.	10564	Strand	+
Start	1743	End	3639
Name	OJ990622_11.9A07.C7.o1.np	Method	AAT/NAP
Start	1743	End	3639
GI	6523547	Score	85
Exons	1743..2280, 3480..3639		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	5082	Seq. ID	OJ990622_11.9A07.C7
Gene No.	10564	Strand	+
Start	1743	End	3639
Name	OJ990622_11.9A07.C7.o1.gs	Method	GENSCAN
Start	1857	End	2267
GI	none	Score	.97
Exons	1857..2267		

Seq. No.	5082	Seq. ID	OJ990622_11.9A07.C7
Gene No.	10565	Strand	-
Start	3081	End	4213
Name	OJ990622_11.9A07.C7.o2.gs	Method	GENSCAN
Start	3081	End	4213
GI	none	Score	.65
Exons	3081..3230, 3272..3331, 3399..3675, 4086..4213		

Seq. No.	5082	Seq. ID	OJ990622_11.9A07.C7
Gene No.	10566	Strand	-
Start	4579	End	4913
Name	OJ990622_11.9A07.C7.o3.gs	Method	GENSCAN
Start	4579	End	4913

GI	none	Score	.43
Exons	4579..4913		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10567	Strand	+
Start	795	End	1380
Name	OJ990622_11.9A07.C8.o1.gs	Method	GENSCAN
Start	795	End	1380
GI	none	Score	.94
Exons	795..1071, 1220..1380		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10568	Strand	+
Start	6721	End	12371
Name	OJ990622_11.9A07.C8.o2.np	Method	AAT/NAP
Start	6721	End	7502
GI	6002794	Score	1273
Exons	6721..7502		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10568	Strand	+
Start	6721	End	12371
Name	OJ990622_11.9A07.C8.o3.np	Method	AAT/NAP
Start	7034	End	12371
GI	4680179	Score	2096
Exons	7034..7113, 8434..10368, 12353..12371		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10569	Strand	+
Start	14898	End	15578
Name	OJ990622_11.9A07.C8.o5.gs	Method	GENSCAN
Start	14898	End	15578
GI	none	Score	.75
Exons	14898..15578		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10570	Strand	+
Start	17650	End	18360
Name	OJ990622_11.9A07.C8.o6.gs	Method	GENSCAN
Start	17650	End	18360
GI	none	Score	.58
Exons	17650..18360		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10571	Strand	+
Start	21347	End	21508
Name	OJ990622_11.9A07.C8.o4.np	Method	AAT/NAP
Start	21347	End	21508
GI	1825727	Score	107
Exons	21347..21508		
GI Descrip.	(U88308) C32E8.5 gene product [Caenorhabditis elegans]		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10572	Strand	-
Start	2622	End	5858

Name	OJ990622_11.9A07.C8.o2.gs	Method	GENSCAN
Start	2622	End	5858
GI	none	Score	.42
Exons	2622..2736, 3518..4037, 4962..5049, 5419..5593, 5830..5858		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10572	Strand	-
Start	2622	End	5858
Name	OJ990622_11.9A07.C8.o1.np	Method	AAT/NAP
Start	4143	End	5556
GI	6907088	Score	957
Exons	4143..4508, 5003..5243, 5419..5556		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10573	Strand	-
Start	11894	End	14008
Name	OJ990622_11.9A07.C8.o4.gs	Method	GENSCAN
Start	11894	End	14008
GI	none	Score	.49
Exons	11894..11956, 12099..12284, 13229..13249, 13889..14008		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o4.tw	Method	TBLASTX:Wheat
Start	8226	End	8591
GI	none	Score	272
Exons	8226..8591, 8231..8332		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o5.tw	Method	TBLASTX:Wheat
Start	8616	End	8903
GI	none	Score	131
Exons	8616..8729, 8627..8722, 8805..8903, 8828..8902		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o6.tm	Method	TBLASTX:Maize
Start	8778	End	8975
GI	none	Score	195
Exons	8778..8975, 8828..8974		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o2.tw	Method	TBLASTX:Wheat
Start	8906	End	9389
GI	none	Score	519
Exons	8906..9361, 8907..9389		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423

Name	OJ990622_11.9A07.C8.o2.tm	Method	TBLASTX:Maize
Start	8976	End	9443
GI	none	Score	391
Exons	8976..9443, 9035..9406		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o1.ts	Method	TBLASTX:Soybean
Start	9330	End	9725
GI	none	Score	56
Exons	9330..9362, 9330..9362, 9347..9442, 9366..9725, 9366..9674, 9482..9697		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o3.tw	Method	TBLASTX:Wheat
Start	9438	End	9734
GI	none	Score	369
Exons	9438..9734, 9482..9697		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o3.tm	Method	TBLASTX:Maize
Start	9459	End	9806
GI	none	Score	308
Exons	9459..9806, 9491..9661		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o1.tw	Method	TBLASTX:Wheat
Start	9740	End	10166
GI	none	Score	606
Exons	9740..10129, 9741..10166, 9798..10151, 9802..10164		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o2.ts	Method	TBLASTX:Soybean
Start	9747	End	9992
GI	none	Score	213
Exons	9747..9992		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o1.tm	Method	TBLASTX:Maize
Start	9813	End	10166
GI	none	Score	474
Exons	9813..10166, 9815..10114		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423

Name	OJ990622_11.9A07.C8.o1.gp	Method	AAT/GAP
Start	19965	End	20730
GI	14578_1.R1084	Score	662
Exons	19965..20193, 20466..20537, 20639..20730		
GI Descrip.	'2465151/emb|CAB16880| 2.0e-19 (Z99753) hypothetical protein [Schizosaccharomyces pombe]'		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o7.gs	Method	GENSCAN
Start	20155	End	21423
GI	none	Score	.73
Exons	20155..20193, 20466..20537, 20639..20730, 21070..21172, 21379..21423		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10574	Strand	-
Start	20155	End	21423
Name	OJ990622_11.9A07.C8.o4.tm	Method	TBLASTX:Maize
Start	20431	End	20731
GI	none	Score	112
Exons	20431..20538, 20466..20540, 20467..20538, 20496..20540, 20628..20729, 20630..20731, 20636..20731		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10575	Strand	
Start	21343	End	21474
Name	OJ990622_11.9A07.C8.o3.ts	Method	TBLASTX:Soybean
Start	21343	End	21465
GI	none	Score	186
Exons	21343..21462, 21345..21449, 21376..21465		

Seq. No.	5083	Seq. ID	OJ990622_11.9A07.C8
Gene No.	10575	Strand	
Start	21343	End	21474
Name	OJ990622_11.9A07.C8.o5.tm	Method	TBLASTX:Maize
Start	21343	End	21474
GI	none	Score	197
Exons	21343..21462, 21346..21474		

Seq. No.	5084	Seq. ID	OJ990622_11.9A07.C9
Gene No.	10576	Strand	+
Start	738	End	4336
Name	OJ990622_11.9A07.C9.o1.gs	Method	GENSCAN
Start	738	End	4336
GI	none	Score	.41
Exons	738..792, 1770..1822, 2508..2529, 2736..2840, 4005..4336		

Seq. No.	5085	Seq. ID	OJ990622_11.9A07.C10
Gene No.	10577	Strand	-
Start	1410	End	1574
Name	OJ990622_11.9A07.C10.o2.gs	Method	GENSCAN
Start	1410	End	1574
GI	none	Score	.69
Exons	1410..1574		

Seq. No.	5086	Seq. ID	OJ990622_11.9A07.C11
Gene No.	10578	Strand	-
Start	1225	End	1545
Name	OJ990622_11.9A07.C11.o1.gs	Method	GENSCAN
Start	1225	End	1545
GI	none	Score	.92
Exons	1225..1377, 1450..1545		

Seq. No.	5086	Seq. ID	OJ990622_11.9A07.C11
Gene No.	10579	Strand	-
Start	2293	End	2626
Name	OJ990622_11.9A07.C11.o2.gs	Method	GENSCAN
Start	2293	End	2626
GI	none	Score	.67
Exons	2293..2495, 2566..2626		

Seq. No.	5087	Seq. ID	OJ990622_11.9A07.C12
Gene No.	10580	Strand	+
Start	428	End	748
Name	OJ990622_11.9A07.C12.o1.gp	Method	AAT/GAP
Start	428	End	748
GI	uC-osf1M202076b06b1	Score	610
Exons	428..748		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	5087	Seq. ID	OJ990622_11.9A07.C12
Gene No.	10581	Strand	-
Start	548	End	913
Name	OJ990622_11.9A07.C12.o1.gs	Method	GENSCAN
Start	548	End	913
GI	none	Score	.7
Exons	548..913		

Seq. No.	5088	Seq. ID	OJ990622_11.9A07.C13
Gene No.	10582	Strand	-
Start	402	End	606
Name	OJ990622_11.9A07.C13.o1.gs	Method	GENSCAN
Start	402	End	606
GI	none	Score	.8
Exons	402..606		

Seq. No.	5088	Seq. ID	OJ990622_11.9A07.C13
Gene No.	10583	Strand	-
Start	507	End	683
Name	OJ990622_11.9A07.C13.o1.np	Method	AAT/NAP
Start	507	End	683
GI	6006359	Score	58
Exons	507..683		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	5089	Seq. ID	OJ990312_01.9A01.C3
Gene No.	10584	Strand	-
Start	1234	End	1911
Name	OJ990312_01.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	1232	End	1878
GI	none	Score	221

Exons	1232..1390, 1233..1283, 1234..1392, 1499..1765, 1500..1766, 1849..1878		
Seq. No.	5089	Seq. ID	OJ990312_01.9A01.C3
Gene No.	10584	Strand	-
Start	1234	End	1911
Name	OJ990312_01.9A01.C3.o1.gs	Method	GENSCAN
Start	1234	End	1856
GI	none	Score	.82
Exons	1234..1384, 1500..1765, 1854..1856		
Seq. No.	5089	Seq. ID	OJ990312_01.9A01.C3
Gene No.	10584	Strand	-
Start	1234	End	1911
Name	OJ990312_01.9A01.C3.o1.np	Method	AAT/NAP
Start	1237	End	1768
GI	231509	Score	585
Exons	1237..1384, 1500..1768		
GI Descrip.	ACTIN DEPOLYMERIZING FACTOR (ADF) gi|419809|pir||S30935 actin-depolymerizing factor - trumpet lily gi|22748|emb|CAA78483| (Z14110) actin depolymerizing factor [Lilium longiflorum]		
Seq. No.	5089	Seq. ID	OJ990312_01.9A01.C3
Gene No.	10584	Strand	-
Start	1234	End	1911
Name	OJ990312_01.9A01.C3.o1.tc	Method	TBLASTX:Cress
Start	1240	End	1766
GI	none	Score	131
Exons	1240..1380, 1241..1381, 1268..1384, 1497..1766, 1497..1529, 1499..1765		
Seq. No.	5089	Seq. ID	OJ990312_01.9A01.C3
Gene No.	10584	Strand	-
Start	1234	End	1911
Name	OJ990312_01.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	1240	End	1766
GI	none	Score	141
Exons	1240..1392, 1241..1396, 1499..1765, 1500..1766		
Seq. No.	5089	Seq. ID	OJ990312_01.9A01.C3
Gene No.	10584	Strand	-
Start	1234	End	1911
Name	OJ990312_01.9A01.C3.o1.gp	Method	AAT/GAP
Start	1243	End	1911
GI	uC-osflm202112g10b1	Score	873
Exons	1243..1384, 1500..1765, 1854..1911		
GI Descrip.	'231509/sp|P30175|ADF_LILLO 1.0e-56 ACTIN DEPOLYMERIZING FACTOR (ADF) >gi_419809_pir__S30935 actin-depolymerizing factor - trumpet lily >gi_22748_emb_CAA78483_ (Z14110) actin depolymerizing factor [Lilium longiflorum]'		
Seq. No.	5089	Seq. ID	OJ990312_01.9A01.C3
Gene No.	10584	Strand	-
Start	1234	End	1911
Name	OJ990312_01.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	1348	End	1766

GI	none	Score	59
Exons	1348..1395, 1348..1392, 1497..1529, 1499..1765, 1500..1766		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10585	Strand	+
Start	8839	End	20153
Name	OJ990312_01.9A01.C4.o3.gs	Method	GENSCAN
Start	8839	End	19970
GI	none	Score	.75
Exons	8839..8985, 9123..9250, 9367..9694, 11618..13009, 13423..13545, 13820..14296, 14393..14748, 15732..15834, 16565..16873, 16906..17065, 17575..17630, 18145..18316, 18529..18634, 19148..19209, 19428..19546, 19683..19850, 19938..19970		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10585	Strand	+
Start	8839	End	20153
Name	OJ990312_01.9A01.C4.o2.np	Method	AAT/NAP
Start	9326	End	16861
GI	6633848	Score	3239
Exons	9326..9416, 9483..9697, 11621..13009, 13087..13341, 13387..13545, 13820..14296, 14393..14786, 16814..16861		
GI Descrip.	(AC008047) F2K11.18 [Arabidopsis thaliana]		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10585	Strand	+
Start	8839	End	20153
Name	OJ990312_01.9A01.C4.o1.gp	Method	AAT/GAP
Start	14171	End	14958
GI	18022_1.R1084	Score	1243
Exons	14171..14296, 14393..14958		
GI Descrip.	'4760370/gb|AAD29109.1|AF082565_1 2.0e-49 (AF082565) ATP dependent copper transporter [Arabidopsis thaliana] >gi_4760380_gb_AAD29115.1_ (AF091112) ATP dependent copper transporter [Arabidopsis thaliana]'		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10585	Strand	+
Start	8839	End	20153
Name	OJ990312_01.9A01.C4.o3.np	Method	AAT/NAP
Start	15109	End	16417
GI	5777617	Score	71
Exons	15109..15134, 16305..16417		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10585	Strand	+
Start	8839	End	20153
Name	OJ990312_01.9A01.C4.o4.np	Method	AAT/NAP
Start	17059	End	19967
GI	6179600	Score	643
Exons	17059..17180, 18184..18316, 18558..18634, 19148..19209, 19428..19546, 19683..19850, 19938..19967		
GI Descrip.	(AJ238697) GPX12Hv, glutathione peroxidase-like protein [Hordeum vulgare]		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4

Gene No.	10585	Strand	+
Start	8839	End	20153
Name	OJ990312_01.9A01.C4.o2.gp	Method	AAT/GAP
Start	18020	End	20153
GI	5524_1.R1084	Score	1457
Exons	18020..18086, 18162..18316, 18558..18634, 19148..19209, 19428..19546, 19683..19850, 19938..20153		
GI Descrip.	'544437/sp|Q06652|GSHZ_CITSI 3.0e-77 GLUTATHIONE PEROXIDASE HOMOLOG (SALT-ASSOCIATED PROTEIN) >gi_296358_emb_CAA47018_ (X66377) CIT-SAP [Citrus sinensis]'		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10586	Strand	-
Start	295	End	2563
Name	OJ990312_01.9A01.C4.o1.gs	Method	GENSCAN
Start	295	End	2563
GI	none	Score	.74
Exons	295..479, 1579..1717, 2279..2563		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10587	Strand	-
Start	3305	End	5613
Name	OJ990312_01.9A01.C4.o4.ts	Method	TBLASTX:Soybean
Start	1135	End	2567
GI	none	Score	81
Exons	1135..1197, 1370..1456, 1371..1472, 1372..1497, 1395..1445, 1395..1442, 1574..1714, 1577..1639, 1577..1642, 1578..1640, 1592..1639, 1640..1714, 1658..1720, 1659..1697, 1670..1723, 2276..2398, 2280..2390, 2498..2563, 2499..2567		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10587	Strand	-
Start	3305	End	5613
Name	OJ990312_01.9A01.C4.o5.tm	Method	TBLASTX:Maize
Start	1383	End	2564
GI	none	Score	82
Exons	1383..1442, 1395..1442, 1404..1472, 1405..1464, 1577..1720, 1578..1715, 1579..1719, 1583..1714, 2276..2398, 2279..2419, 2469..2564, 2471..2563		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10587	Strand	-
Start	3305	End	5613
Name	OJ990312_01.9A01.C4.o2.gs	Method	GENSCAN
Start	3305	End	5613
GI	none	Score	.81
Exons	3305..3376, 3635..3725, 3943..4129, 4941..5128, 5226..5312, 5423..5613		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10587	Strand	-
Start	3305	End	5613
Name	OJ990312_01.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	3468	End	4005
GI	none	Score	357
Exons	3468..3725, 3470..3664, 3472..3726, 3472..3726, 3941..4003, 3942..4004, 3942..4004, 3943..4005, 3943..4005		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10587	Strand	-
Start	3305	End	5613
Name	OJ990312_01.9A01.C4.o1.np	Method	AAT/NAP
Start	3476	End	5590
GI	4539455	Score	937
Exons	3476..3725, 3943..4129, 4218..4291, 4898..5128, 5226..5351, 5423..5590		
GI Descrip.	(AL049500) T5C23.70 [Arabidopsis thaliana]		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10587	Strand	-
Start	3305	End	5613
Name	OJ990312_01.9A01.C4.o6.ts	Method	TBLASTX:Soybean
Start	4047	End	5127
GI	none	Score	77
Exons	4047..4136, 4048..4119, 4207..4269, 4912..5127, 4916..5125		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10587	Strand	-
Start	3305	End	5613
Name	OJ990312_01.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	4992	End	5564
GI	none	Score	159
Exons	4992..5129, 4993..5130, 4993..5130, 5226..5312, 5226..5306, 5228..5311, 5422..5553, 5423..5563, 5430..5564		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o8.ts	Method	TBLASTX:Soybean
Start	9566	End	11863
GI	none	Score	74
Exons	9566..9700, 11627..11698, 11684..11860, 11687..11863		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o4.tc	Method	TBLASTX:Cress
Start	11711	End	14242
GI	none	Score	84
Exons	11711..11821, 12899..13027, 13189..13329, 13212..13328, 13422..13502, 13423..13503, 14057..14242		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o7.ts	Method	TBLASTX:Soybean
Start	12403	End	12561
GI	none	Score	207
Exons	12403..12456, 12404..12559, 12413..12556, 12511..12561		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o2.tc	Method	TBLASTX:Cress

Start	12559	End	12871
GI	none	Score	307
Exons	12559..12870, 12560..12871		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o5.ts	Method	TBLASTX:Soybean
Start	12562	End	12820
GI	none	Score	265
Exons	12562..12636, 12563..12820, 12712..12819		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	12656	End	13159
GI	none	Score	568
Exons	12656..13009, 12658..13011, 12665..13009, 12685..13023, 13090..13152, 13094..13159		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	12931	End	13873
GI	none	Score	102
Exons	12931..13026, 12944..13024, 13082..13240, 13083..13343, 13086..13343, 13087..13344, 13422..13520, 13423..13548, 13817..13873, 13819..13872		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o7.tm	Method	TBLASTX:Maize
Start	13159	End	13446
GI	none	Score	80
Exons	13159..13341, 13160..13219, 13161..13343, 13161..13346, 13162..13347, 13423..13446		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o8.tm	Method	TBLASTX:Maize
Start	13498	End	14043
GI	none	Score	68
Exons	13498..13548, 13806..14009, 13809..14009, 13814..14041, 13817..14017, 13819..14025, 13819..14043		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	13900	End	14773
GI	none	Score	260
Exons	13900..14235, 13901..14296, 14369..14770, 14394..14477, 14395..14769, 14459..14773		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o4.tm	Method	TBLASTX:Maize
Start	14060	End	14652
GI	none	Score	149
Exons	14060..14296, 14408..14647, 14410..14652		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10588	Strand	
Start	9566	End	14799
Name	OJ990312_01.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	14369	End	14799
GI	none	Score	239
Exons	14369..14572, 14380..14658, 14564..14779, 14567..14770, 14569..14799		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10589	Strand	
Start	18200	End	19970
Name	OJ990312_01.9A01.C4.o6.tm	Method	TBLASTX:Maize
Start	18200	End	19970
GI	none	Score	41
Exons	18200..18223, 18238..18318, 18551..18643, 18552..18632, 18555..18647, 18556..18648, 19144..19209, 19149..19235, 19425..19547, 19426..19548, 19427..19549, 19675..19821, 19675..19833, 19680..19850, 19682..19849, 19839..19874, 19916..19969, 19935..19970		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10589	Strand	
Start	18200	End	19970
Name	OJ990312_01.9A01.C4.o3.tc	Method	TBLASTX:Cress
Start	18551	End	19958
GI	none	Score	105
Exons	18551..18643, 18552..18632, 19149..19235, 19426..19548, 19427..19549, 19673..19771, 19675..19797, 19675..19848, 19680..19850, 19682..19849, 19920..19958		

Seq. No.	5090	Seq. ID	OJ990312_01.9A01.C4
Gene No.	10589	Strand	
Start	18200	End	19970
Name	OJ990312_01.9A01.C4.o3.ts	Method	TBLASTX:Soybean
Start	18551	End	19958
GI	none	Score	101
Exons	18551..18643, 18552..18632, 19149..19202, 19426..19548, 19427..19549, 19431..19565, 19678..19797, 19679..19849, 19683..19850, 19920..19958		

Seq. No.	5091	Seq. ID	OJ990312_01.9A01.C6
Gene No.	10590	Strand	-
Start	1875	End	4311
Name	OJ990312_01.9A01.C6.o3.tm	Method	TBLASTX:Maize
Start	1829	End	2060
GI	none	Score	40
Exons	1829..1888, 1851..1889, 1926..2060, 1927..2058		

Seq. No.	5091	Seq. ID	OJ990312_01.9A01.C6
Gene No.	10590	Strand	-
Start	1875	End	4311
Name	OJ990312_01.9A01.C6.o1.tw	Method	TBLASTX:Wheat
Start	1847	End	2256
GI	none	Score	52
Exons	1847..1888, 1848..1889, 1926..2255, 1927..2256		

Seq. No.	5091	Seq. ID	OJ990312_01.9A01.C6
Gene No.	10590	Strand	-
Start	1875	End	4311
Name	OJ990312_01.9A01.C6.o1.np	Method	AAT/NAP
Start	1853	End	3292
GI	6226510	Score	664
Exons	1853..3292		
GI Descrip.	ZEATIN O-GLUCOSYLTRANSFERASE (ZEATIN O-BETA-D-GLUCOSYLTRANSFERASE) gi|4140691 (AF101972) zeatin O-glucosyltransferase [Phaseolus lunatus]		

Seq. No.	5091	Seq. ID	OJ990312_01.9A01.C6
Gene No.	10590	Strand	-
Start	1875	End	4311
Name	OJ990312_01.9A01.C6.o2.gs	Method	GENSCAN
Start	1875	End	4311
GI	none	Score	.65
Exons	1875..2105, 2250..2631, 2648..2934, 3113..3516, 3977..4035, 4253..4311		

Seq. No.	5091	Seq. ID	OJ990312_01.9A01.C6
Gene No.	10590	Strand	-
Start	1875	End	4311
Name	OJ990312_01.9A01.C6.o1.tc	Method	TBLASTX:Cress
Start	2061	End	2531
GI	none	Score	87
Exons	2061..2255, 2122..2259, 2358..2531, 2359..2505		

Seq. No.	5091	Seq. ID	OJ990312_01.9A01.C6
Gene No.	10590	Strand	-
Start	1875	End	4311
Name	OJ990312_01.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	2061	End	2511
GI	none	Score	98
Exons	2061..2255, 2095..2256, 2106..2252, 2122..2256, 2274..2468, 2351..2467, 2358..2510, 2359..2511		

Seq. No.	5091	Seq. ID	OJ990312_01.9A01.C6
Gene No.	10590	Strand	-
Start	1875	End	4311
Name	OJ990312_01.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	2070	End	2504
GI	none	Score	81
Exons	2070..2255, 2122..2256, 2358..2504, 2365..2502		

Seq. No.	5091	Seq. ID	OJ990312_01.9A01.C6
Gene No.	10590	Strand	-
Start	1875	End	4311

Name	OJ990312_01.9A01.C6.o2.tm	Method	TBLASTX:Maize
Start	2547	End	2917
GI	none	Score	50
Exons	2547..2597, 2551..2598, 2554..2778, 2609..2779, 2799..2873, 2800..2871, 2815..2916, 2840..2917		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10591	Strand	-
Start	2067	End	3484
Name	OJ990312_01.9A01.C7.o1.gs	Method	GENSCAN
Start	2067	End	3458
GI	none	Score	1
Exons	2067..3458		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10591	Strand	-
Start	2067	End	3484
Name	OJ990312_01.9A01.C7.o1.np	Method	AAT/NAP
Start	2070	End	3484
GI	6226510	Score	806
Exons	2070..3484		
GI Descrip.	ZEATIN O-GLUCOSYLTRANSFERASE (ZEATIN O-BETA-D-GLUCOSYLTRANSFERASE) gi|4140691 (AF101972) zeatin O-glucosyltransferase [Phaseolus lunatus]		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10592	Strand	-
Start	3709	End	4368
Name	OJ990312_01.9A01.C7.o1.tw	Method	TBLASTX:Wheat
Start	2066	End	2466
GI	none	Score	391
Exons	2066..2170, 2067..2465, 2068..2466, 2073..2465		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10592	Strand	-
Start	3709	End	4368
Name	OJ990312_01.9A01.C7.o2.tm	Method	TBLASTX:Maize
Start	2068	End	2355
GI	none	Score	283
Exons	2068..2355, 2073..2354		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10592	Strand	-
Start	3709	End	4368
Name	OJ990312_01.9A01.C7.o1.tc	Method	TBLASTX:Cress
Start	2271	End	2702
GI	none	Score	98
Exons	2271..2489, 2332..2490, 2556..2702		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10592	Strand	-
Start	3709	End	4368
Name	OJ990312_01.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	2280	End	2756
GI	none	Score	95
Exons	2280..2501, 2332..2490, 2556..2705, 2556..2756		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10592	Strand	-
Start	3709	End	4368
Name	OJ990312_01.9A01.C7.o4.tm	Method	TBLASTX:Maize
Start	2361	End	2618
GI	none	Score	95
Exons	2361..2549, 2361..2531, 2550..2609, 2556..2618		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10592	Strand	-
Start	3709	End	4368
Name	OJ990312_01.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	2621	End	3101
GI	none	Score	105
Exons	2621..2713, 2626..2700, 2628..2708, 2739..3101, 2739..3101		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10592	Strand	-
Start	3709	End	4368
Name	OJ990312_01.9A01.C7.o3.tm	Method	TBLASTX:Maize
Start	3102	End	3422
GI	none	Score	83
Exons	3102..3185, 3105..3191, 3240..3422, 3241..3291, 3343..3420		

Seq. No.	5092	Seq. ID	OJ990312_01.9A01.C7
Gene No.	10592	Strand	-
Start	3709	End	4368
Name	OJ990312_01.9A01.C7.o2.gs	Method	GENSCAN
Start	3709	End	4368
GI	none	Score	.81
Exons	3709..3943, 4214..4368		

Seq. No.	5093	Seq. ID	OJ990312_01.9A01.C8
Gene No.	10593	Strand	-
Start	1453	End	1747
Name	OJ990312_01.9A01.C8.o1.gs	Method	GENSCAN
Start	1453	End	1747
GI	none	Score	.77
Exons	1453..1585, 1692..1747		

Seq. No.	5093	Seq. ID	OJ990312_01.9A01.C8
Gene No.	10594	Strand	-
Start	2206	End	2853
Name	OJ990312_01.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	2200	End	2494
GI	none	Score	278
Exons	2200..2493, 2207..2494		

Seq. No.	5093	Seq. ID	OJ990312_01.9A01.C8
Gene No.	10594	Strand	-
Start	2206	End	2853
Name	OJ990312_01.9A01.C8.o1.tw	Method	TBLASTX:Wheat
Start	2203	End	2605
GI	none	Score	518
Exons	2203..2604, 2207..2605, 2300..2605		

Seq. No.	5093	Seq. ID	OJ990312_01.9A01.C8

Gene No.	10594	Strand	-
Start	2206	End	2853
Name	OJ990312_01.9A01.C8.o2.gs	Method	GENSCAN
Start	2206	End	2793
GI	none	Score	1
Exons	2206..2793		

Seq. No.	5093	Seq. ID	OJ990312_01.9A01.C8
Gene No.	10594	Strand	-
Start	2206	End	2853
Name	OJ990312_01.9A01.C8.o1.np	Method	AAT/NAP
Start	2209	End	2853
GI	6226511	Score	508
Exons	2209..2853		
GI Descrip.	ZEATIN O-XYLOSYLTRANSFERASE (ZEATIN O-BETA-D-XYLOSYLTRANSFERASE) gi|5802783|gb|AAD51778.1|AF116858_1 (AF116858) zeatin O-xylosyltransferase [Phaseolus vulgaris]		

Seq. No.	5093	Seq. ID	OJ990312_01.9A01.C8
Gene No.	10594	Strand	-
Start	2206	End	2853
Name	OJ990312_01.9A01.C8.o1.tc	Method	TBLASTX:Cress
Start	2419	End	2847
GI	none	Score	66
Exons	2419..2598, 2419..2598, 2695..2847		

Seq. No.	5093	Seq. ID	OJ990312_01.9A01.C8
Gene No.	10594	Strand	-
Start	2206	End	2853
Name	OJ990312_01.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	2419	End	2841
GI	none	Score	94
Exons	2419..2640, 2471..2629, 2695..2841		

Seq. No.	5093	Seq. ID	OJ990312_01.9A01.C8
Gene No.	10594	Strand	-
Start	2206	End	2853
Name	OJ990312_01.9A01.C8.o2.tm	Method	TBLASTX:Maize
Start	2500	End	2847
GI	none	Score	106
Exons	2500..2688, 2500..2670, 2695..2847		

Seq. No.	5094	Seq. ID	OJ990312_01.9A01.C9
Gene No.	10595	Strand	-
Start	1	End	398
Name	OJ990312_01.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	398
GI	6226510	Score	181
Exons	1..398		
GI Descrip.	ZEATIN O-GLUCOSYLTRANSFERASE (ZEATIN O-BETA-D-GLUCOSYLTRANSFERASE) gi|4140691 (AF101972) zeatin O-glucosyltransferase [Phaseolus lunatus]		

Seq. No.	5094	Seq. ID	OJ990312_01.9A01.C9
Gene No.	10595	Strand	-
Start	1	End	398
Name	OJ990312_01.9A01.C9.o1.tm	Method	TBLASTX:Maize

Start	15	End	347
GI	none	Score	96
Exons	15..107, 165..347, 166..216, 268..345		

Seq. No.	5094	Seq. ID	OJ990312_01.9A01.C9
Gene No.	10595	Strand	-
Start	1	End	398
Name	OJ990312_01.9A01.C9.o1.gs	Method	GENSCAN
Start	21	End	383
GI	none	Score	.57
Exons	21..383		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o1.np	Method	AAT/NAP
Start	1	End	3138
GI	6069646	Score	2758
Exons	1..44, 1023..1871, 2154..3138		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o4.tm	Method	TBLASTX:Maize
Start	433	End	906
GI	none	Score	85
Exons	433..552, 550..906, 555..752		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	910	End	1395
GI	none	Score	129
Exons	910..1050, 924..1034, 1075..1317, 1312..1395		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o3.tw	Method	TBLASTX:Wheat
Start	973	End	1308
GI	none	Score	81
Exons	973..1119, 1102..1308		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o4.tw	Method	TBLASTX:Wheat
Start	1333	End	1602
GI	none	Score	186
Exons	1333..1602, 1506..1601		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	1399	End	2096
GI	none	Score	89
Exons	1399..1860, 1403..1567, 1408..2094, 1587..2096		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	1735	End	2175
GI	none	Score	211
Exons	1735..2037, 1740..1994, 2047..2175		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o5.tm	Method	TBLASTX:Maize
Start	2317	End	2562
GI	none	Score	217
Exons	2317..2562, 2338..2529		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o3.tm	Method	TBLASTX:Maize
Start	2563	End	3123
GI	none	Score	314
Exons	2563..2898, 2634..2879, 2899..3123		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o2.np	Method	AAT/NAP
Start	2642	End	5229
GI	2130085	Score	447
Exons	2642..2761, 3795..4047, 4710..4806, 5154..5229		
GI Descrip.	transcriptional activator Ra - rice gi|1086540 (U39860) Ra [Oryza sativa]		

Seq. No.	5095	Seq. ID	OJ990312_01.9A01.C10
Gene No.	10596	Strand	+
Start	1	End	5229
Name	OJ990312_01.9A01.C10.o2.tw	Method	TBLASTX:Wheat
Start	2659	End	3012
GI	none	Score	211
Exons	2659..2856, 2688..2852, 2977..3012		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10597	Strand	+
Start	437	End	6575
Name	OJ990312_01.9A01.C11.o1.gs	Method	GENSCAN
Start	437	End	3039
GI	none	Score	.68
Exons	437..541, 595..1456, 1511..3039		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10597	Strand	+
Start	437	End	6575
Name	OJ990312_01.9A01.C11.o1.np	Method	AAT/NAP
Start	1118	End	6572
GI	6498441	Score	7059
Exons	1118..2182, 2513..2976, 3040..3413, 3597..3731, 3906..4628, 4800..6197, 6291..6572		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10597	Strand	+
Start	437	End	6575
Name	OJ990312_01.9A01.C11.o2.gs	Method	GENSCAN
Start	3103	End	6575
GI	none	Score	.51
Exons	3103..3889, 4024..4839, 4996..5221, 5330..6119, 6195..6575		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o6.tw	Method	TBLASTX:Wheat
Start	1270	End	1659
GI	none	Score	54
Exons	1270..1314, 1321..1419, 1338..1418, 1386..1541, 1402..1659		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o3.tw	Method	TBLASTX:Wheat
Start	1931	End	5960
GI	none	Score	375
Exons	1931..2011, 5579..5929, 5580..5960		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o4.tw	Method	TBLASTX:Wheat
Start	2397	End	2883
GI	none	Score	345
Exons	2397..2576, 2398..2883, 2592..2852		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	3047	End	3510
GI	none	Score	198
Exons	3047..3490, 3048..3503, 3049..3510, 3049..3504		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o3.ts	Method	TBLASTX:Soybean

Start	3082	End	3453
GI	none	Score	119
Exons	3082..3312, 3319..3453		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	3178	End	3534
GI	none	Score	391
Exons	3178..3534, 3213..3524, 3418..3534		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o3.tm	Method	TBLASTX:Maize
Start	3562	End	3945
GI	none	Score	353
Exons	3562..3945, 3597..3926		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	3618	End	3989
GI	none	Score	426
Exons	3618..3980, 3619..3984, 3622..3981, 3657..3989		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	3697	End	4067
GI	none	Score	216
Exons	3697..3981, 3714..3857, 3984..4067		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o5.tw	Method	TBLASTX:Wheat
Start	4476	End	4934
GI	none	Score	239
Exons	4476..4697, 4500..4724, 4565..4741, 4785..4934, 4796..4933		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	4623	End	5189
GI	5666795	Score	68
Exons	4623..4721, 4797..4934, 4989..5189		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o8.tw	Method	TBLASTX:Wheat

Start	4937	End	5249
GI	none	Score	192
Exons	4937..5113, 4989..5249		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	5442	End	5785
GI	none	Score	369
Exons	5442..5753, 5471..5752, 5636..5785		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o7.tw	Method	TBLASTX:Wheat
Start	5961	End	6563
GI	none	Score	253
Exons	5961..6245, 5966..6064, 6101..6250, 6437..6559, 6438..6563		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o3.gs	Method	GENSCAN
Start	7196	End	7588
GI	none	Score	.46
Exons	7196..7342, 7439..7588		

Seq. No.	5096	Seq. ID	OJ990312_01.9A01.C11
Gene No.	10598	Strand	-
Start	7196	End	7836
Name	OJ990312_01.9A01.C11.o2.np	Method	AAT/NAP
Start	7199	End	7836
GI	6907089	Score	832
Exons	7199..7836		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5097	Seq. ID	OJ990312_01.9A01.C12
Gene No.	10599	Strand	+
Start	1	End	211
Name	OJ990312_01.9A01.C12.o1.np	Method	AAT/NAP
Start	1	End	211
GI	1362150	Score	214
Exons	1..211		
GI Descrip.	hypothetical protein (clone AFN3) - wild oat (fragment) gi|726478 (U20000) putative ORF1 [Avena fatua]		

Seq. No.	5097	Seq. ID	OJ990312_01.9A01.C12
Gene No.	10599	Strand	+
Start	1	End	211
Name	OJ990312_01.9A01.C12.o1.gp	Method	AAT/GAP
Start	47	End	181
GI	5524_1.R1084	Score	226
Exons	47..181		
GI Descrip.	'544437/sp|Q06652|GSHZ_CITSI 3.0e-77 GLUTATHIONE PEROXIDASE HOMOLOG (SALT-ASSOCIATED PROTEIN) >gi_296358_emb_CAA47018_ (X66377) CIT-SAP [Citrus sinensis]'		

Seq. No.	5097	Seq. ID	OJ990312_01.9A01.C12
Gene No.	10600	Strand	-
Start	62	End	3301
Name	OJ990312_01.9A01.C12.o1.tc	Method	TBLASTX:Cress
Start	47	End	181
GI	none	Score	210
Exons	47..181, 48..179, 49..180		

Seq. No.	5097	Seq. ID	OJ990312_01.9A01.C12
Gene No.	10600	Strand	-
Start	62	End	3301
Name	OJ990312_01.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	47	End	181
GI	none	Score	221
Exons	47..181, 49..180		

Seq. No.	5097	Seq. ID	OJ990312_01.9A01.C12
Gene No.	10600	Strand	-
Start	62	End	3301
Name	OJ990312_01.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	47	End	181
GI	none	Score	229
Exons	47..181, 49..180		

Seq. No.	5097	Seq. ID	OJ990312_01.9A01.C12
Gene No.	10600	Strand	-
Start	62	End	3301
Name	OJ990312_01.9A01.C12.o2.np	Method	AAT/NAP
Start	62	End	3301
GI	6907089	Score	4051
Exons	62..1936, 2040..3301		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5097	Seq. ID	OJ990312_01.9A01.C12
Gene No.	10600	Strand	-
Start	62	End	3301
Name	OJ990312_01.9A01.C12.o1.gs	Method	GENSCAN
Start	254	End	3301
GI	none	Score	.66
Exons	254..456, 535..1936, 2040..3301		

Seq. No.	5098	Seq. ID	OJ990312_01.9A01.C13
Gene No.	10601	Strand	+
Start	228	End	2960
Name	OJ990312_01.9A01.C13.o1.gs	Method	GENSCAN
Start	228	End	2875
GI	none	Score	.96
Exons	228..398, 2008..2664, 2742..2875		

Seq. No.	5098	Seq. ID	OJ990312_01.9A01.C13
Gene No.	10601	Strand	+
Start	228	End	2960
Name	OJ990312_01.9A01.C13.o1.np	Method	AAT/NAP
Start	474	End	2960
GI	2130085	Score	308
Exons	474..502, 2311..2664, 2742..2960		

GI Descrip.	transcriptional activator Ra - rice gi|1086540 (U39860) Ra [Oryza sativa]		
Seq. No.	5099	Seq. ID	OJ990312_01.9A01.C16
Gene No.	10602	Strand	+
Start	236	End	424
Name	OJ990312_01.9A01.C16.o1.gs	Method	GENSCAN
Start	236	End	424
GI	none	Score	.54
Exons	236..424		
Seq. No.	5100	Seq. ID	OJ990312_01.9A01.C17
Gene No.	10603	Strand	-
Start	1	End	497
Name	OJ990312_01.9A01.C17.o1.np	Method	AAT/NAP
Start	1	End	497
GI	6633848	Score	158
Exons	1..72, 192..497		
GI Descrip.	(AC008047) F2K11.18 [Arabidopsis thaliana]		
Seq. No.	5100	Seq. ID	OJ990312_01.9A01.C17
Gene No.	10603	Strand	-
Start	1	End	497
Name	OJ990312_01.9A01.C17:o1.gs	Method	GENSCAN
Start	192	End	458
GI	none	Score	.97
Exons	192..458		
Seq. No.	5101	Seq. ID	OJ990312_01.9A01.C20
Gene No.	10604	Strand	+
Start	637	End	13184
Name	OJ990312_01.9A01.C20.o1.gs	Method	GENSCAN
Start	637	End	12779
GI	none	Score	.63
Exons	637..721, 854..997, 1049..1263, 2926..2956, 5598..5659, 6175..6215, 9846..9954, 12147..12445, 12512..12779		
Seq. No.	5101	Seq. ID	OJ990312_01.9A01.C20
Gene No.	10604	Strand	+
Start	637	End	13184
Name	OJ990312_01.9A01.C20.o1.np	Method	AAT/NAP
Start	8989	End	11385
GI	6539588	Score	152
Exons	8989..9015, 9730..10002, 11357..11385		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	5101	Seq. ID	OJ990312_01.9A01.C20
Gene No.	10604	Strand	+
Start	637	End	13184
Name	OJ990312_01.9A01.C20.o2.np	Method	AAT/NAP
Start	12030	End	13184
GI	5295955	Score	367
Exons	12030..12238, 12381..13184		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	5102	Seq. ID	OJ990312_01.9A01.C21

Gene No.	10605	Strand	+
Start	1094	End	1635
Name	OJ990312_01.9A01.C21.o2.gs	Method	GENSCAN
Start	1094	End	1635
GI	none	Score	.84
Exons	1094..1315, 1543..1635		

Seq. No.	5102	Seq. ID	OJ990312_01.9A01.C21
Gene No.	10606	Strand	-
Start	1175	End	2957
Name	OJ990312_01.9A01.C21.o1.np	Method	AAT/NAP
Start	1175	End	2957
GI	4680186	Score	389
Exons	1175..1331, 1935..2091, 2896..2957		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5103	Seq. ID	OJ990312_01.9A01.C22
Gene No.	10607	Strand	+
Start	81	End	3885
Name	OJ990312_01.9A01.C22.o1.np	Method	AAT/NAP
Start	81	End	3885
GI	6721547	Score	82
Exons	81..165, 3864..3885		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	5103	Seq. ID	OJ990312_01.9A01.C22
Gene No.	10608	Strand	+
Start	4840	End	8127
Name	OJ990312_01.9A01.C22.o2.np	Method	AAT/NAP
Start	4840	End	8127
GI	2130085	Score	526
Exons	4840..4955, 7524..7778, 8031..8127		
GI Descrip.	transcriptional activator Ra - rice gi|1086540 (U39860) Ra [Oryza sativa]		

Seq. No.	5103	Seq. ID	OJ990312_01.9A01.C22
Gene No.	10609	Strand	-
Start	5835	End	8121
Name	OJ990312_01.9A01.C22.o1.tc	Method	TBLASTX:Cress
Start	4876	End	8121
GI	none	Score	72
Exons	4876..4956, 7522..7686, 7525..7668, 7542..7694, 7686..7778, 7687..7779, 8032..8121		

Seq. No.	5103	Seq. ID	OJ990312_01.9A01.C22
Gene No.	10609	Strand	-
Start	5835	End	8121
Name	OJ990312_01.9A01.C22.o2.gs	Method	GENSCAN
Start	5835	End	6298
GI	none	Score	.53
Exons	5835..6051, 6057..6298		

Seq. No.	5103	Seq. ID	OJ990312_01.9A01.C22
Gene No.	10609	Strand	-
Start	5835	End	8121
Name	OJ990312_01.9A01.C22.o2.tm	Method	TBLASTX:Maize
Start	6555	End	6791

GI	none	Score	187
Exons	6555..6791		

Seq. No.	5103	Seq. ID	OJ990312_01.9A01.C22
Gene No.	10609	Strand	-
Start	5835	End	8121
Name	OJ990312_01.9A01.C22.o1.tw	Method	TBLASTX:Wheat
Start	6561	End	6865
GI	none	Score	60
Exons	6561..6800, 6788..6865		

Seq. No.	5103	Seq. ID	OJ990312_01.9A01.C22
Gene No.	10609	Strand	-
Start	5835	End	8121
Name	OJ990312_01.9A01.C22.o1.tm	Method	TBLASTX:Maize
Start	6912	End	7224
GI	none	Score	101
Exons	6912..6971, 6973..7224, 7007..7207		

Seq. No.	5104	Seq. ID	OJ990312_01.9A01.C23
Gene No.	10610	Strand	+
Start	1794	End	4734
Name	OJ990312_01.9A01.C23.o1.np	Method	AAT/NAP
Start	1794	End	4731
GI	2130085	Score	535
Exons	1794..1826, 3661..4107, 4194..4568, 4666..4731		
GI Descrip.	transcriptional activator Ra - rice gi|1086540 (U39860) Ra [Oryza sativa]		

Seq. No.	5104	Seq. ID	OJ990312_01.9A01.C23
Gene No.	10610	Strand	+
Start	1794	End	4734
Name	OJ990312_01.9A01.C23.o1.gs	Method	GENSCAN
Start	2145	End	4734
GI	none	Score	.82
Exons	2145..2153, 3433..4107, 4194..4568, 4666..4734		

Seq. No.	5104	Seq. ID	OJ990312_01.9A01.C23
Gene No.	10611	Strand	+
Start	7446	End	7535
Name	OJ990312_01.9A01.C23.o1.gp	Method	AAT/GAP
Start	7446	End	7535
GI	5867_1.R1084	Score	131
Exons	7446..7535		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'		

Seq. No.	5104	Seq. ID	OJ990312_01.9A01.C23
Gene No.	10612	Strand	-
Start	4163	End	8129
Name	OJ990312_01.9A01.C23.o2.np	Method	AAT/NAP
Start	4163	End	7580

GI	4493975	Score	151
Exons	4163..4211, 4422..4559, 5879..5917, 7446..7580		
GI Descrip.	(AL034559) predicted using hexExon; MAL3P7.17 (PFC0940c), Hypothetical protein, len: 807 aa [Plasmodium falciparum]		

Seq. No.	5104	Seq. ID	OJ990312_01.9A01.C23
Gene No.	10612	Strand	-
Start	4163	End	8129
Name	OJ990312_01.9A01.C23.o1.tm	Method	TBLASTX:Maize
Start	4398	End	4728
GI	none	Score	81
Exons	4398..4460, 4407..4460, 4408..4461, 4455..4568, 4466..4564, 4648..4728, 4665..4727		

Seq. No.	5104	Seq. ID	OJ990312_01.9A01.C23
Gene No.	10612	Strand	-
Start	4163	End	8129
Name	OJ990312_01.9A01.C23.o2.gs	Method	GENSCAN
Start	6630	End	8129
GI	none	Score	.88
Exons	6630..6718, 7950..8129		

Seq. No.	5105	Seq. ID	OJ990312_01.9A01.C24
Gene No.	10613	Strand	+
Start	256	End	973
Name	OJ990312_01.9A01.C24.o1.gs	Method	GENSCAN
Start	256	End	973
GI	none	Score	.5
Exons	256..325, 384..575, 906..973		

Seq. No.	5106	Seq. ID	OJ990312_01.9A01.C25
Gene No.	10614	Strand	+
Start	1	End	313
Name	OJ990312_01.9A01.C25.o1.gp	Method	AAT/GAP
Start	1	End	313
GI	4714588	Score	402
Exons	1..107, 191..313		

Seq. No.	5106	Seq. ID	OJ990312_01.9A01.C25
Gene No.	10615	Strand	+
Start	343	End	372
Name	OJ990312_01.9A01.C25.o1.gs	Method	GENSCAN
Start	343	End	372
GI	none	Score	.88
Exons	343..372		

Seq. No.	5107	Seq. ID	OJ990312_01.9A01.C28
Gene No.	10616	Strand	+
Start	1	End	516
Name	OJ990312_01.9A01.C28.o1.np	Method	AAT/NAP
Start	1	End	516
GI	6498441	Score	361
Exons	1..178, 350..516		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5107	Seq. ID	OJ990312_01.9A01.C28
Gene No.	10616	Strand	+
Start	1	End	516
Name	OJ990312_01.9A01.C28.o1.tw	Method	TBLASTX:Wheat
Start	50	End	438
GI	none	Score	239
Exons	50..274, 50..247, 115..291, 335..421, 346..438		

Seq. No.	5107	Seq. ID	OJ990312_01.9A01.C28
Gene No.	10616	Strand	+
Start	1	End	516
Name	OJ990312_01.9A01.C28.o1.gs	Method	GENSCAN
Start	53	End	389
GI	none	Score	.43
Exons	53..389		

Seq. No.	5108	Seq. ID	OJ990312_01.9A01.C30
Gene No.	10617	Strand	-
Start	565	End	1054
Name	OJ990312_01.9A01.C30.o1.gs	Method	GENSCAN
Start	565	End	1054
GI	none	Score	.72
Exons	565..625, 690..1054		

Seq. No.	5109	Seq. ID	OJ990312_01.9A01.C31
Gene No.	10618	Strand	+
Start	2273	End	3973
Name	OJ990312_01.9A01.C31.o1.np	Method	AAT/NAP
Start	2273	End	3973
GI	81286	Score	104
Exons	2273..2444, 2760..2800, 3143..3371, 3832..3973		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	5110	Seq. ID	OJ990312_01.9A01.C32
Gene No.	10619	Strand	-
Start	145	End	2002
Name	OJ990312_01.9A01.C32.o1.gs	Method	GENSCAN
Start	145	End	2002
GI	none	Score	.8
Exons	145..341, 1087..1141, 1670..2002		

Seq. No.	5111	Seq. ID	OJ990312_01.9A01.C33
Gene No.	10620	Strand	+
Start	271	End	3632
Name	OJ990312_01.9A01.C33.o1.gs	Method	GENSCAN
Start	271	End	3364
GI	none	Score	.92
Exons	271..339, 1210..1318, 1473..1593, 1905..1958, 2213..2216, 2258..3364		

Seq. No.	5111	Seq. ID	OJ990312_01.9A01.C33
Gene No.	10620	Strand	+
Start	271	End	3632
Name	OJ990312_01.9A01.C33.o1.gp	Method	AAT/GAP
Start	1362	End	2602
GI	4714587	Score	856

Exons	1362..1472, 2258..2602		
Seq. No.	5111	Seq. ID	OJ990312_01.9A01.C33
Gene No.	10620	Strand	+
Start	271	End	3632
Name	OJ990312_01.9A01.C33.o2.tm	Method	TBLASTX:Maize
Start	2297	End	2605
GI	none	Score	114
Exons	2297..2521, 2298..2507, 2300..2509, 2502..2603, 2514..2597, 2522..2605		
Seq. No.	5111	Seq. ID	OJ990312_01.9A01.C33
Gene No.	10620	Strand	+
Start	271	End	3632
Name	OJ990312_01.9A01.C33.o1.ts	Method	TBLASTX:Soybean
Start	2710	End	3346
GI	none	Score	497
Exons	2710..3300, 2711..3346, 3008..3325		
Seq. No.	5111	Seq. ID	OJ990312_01.9A01.C33
Gene No.	10620	Strand	+
Start	271	End	3632
Name	OJ990312_01.9A01.C33.o1.tm	Method	TBLASTX:Maize
Start	2828	End	3298
GI	none	Score	61
Exons	2828..2896, 2885..3298, 2896..3276		
Seq. No.	5111	Seq. ID	OJ990312_01.9A01.C33
Gene No.	10620	Strand	+
Start	271	End	3632
Name	OJ990312_01.9A01.C33.o2.gp	Method	AAT/GAP
Start	2849	End	3632
GI	4714588	Score	1287
Exons	2849..3425, 3509..3632		
Seq. No.	5112	Seq. ID	OJ990312_01.9A01.C35
Gene No.	10621	Strand	+
Start	2469	End	4063
Name	OJ990312_01.9A01.C35.o2.gs	Method	GENSCAN
Start	2469	End	3113
GI	none	Score	.74
Exons	2469..2541, 2574..2851, 2900..3009, 3056..3113		
Seq. No.	5112	Seq. ID	OJ990312_01.9A01.C35
Gene No.	10621	Strand	+
Start	2469	End	4063
Name	OJ990312_01.9A01.C35.o1.np	Method	AAT/NAP
Start	2733	End	4063
GI	6721512	Score	100
Exons	2733..2851, 2879..3013, 3056..3092, 3205..3283, 4032..4063		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	5112	Seq. ID	OJ990312_01.9A01.C35
Gene No.	10622	Strand	-
Start	8	End	1007
Name	OJ990312_01.9A01.C35.o1.gs	Method	GENSCAN
Start	8	End	1007

GI	none	Score	.93
Exons	8..134, 303..1007		

Seq. No.	5112	Seq. ID	OJ990312_01.9A01.C35
Gene No.	10622	Strand	-
Start	8	End	1007
Name	OJ990312_01.9A01.C35.o1.tm	Method	TBLASTX:Maize
Start	81	End	306
GI	none	Score	71
Exons	81..173, 81..296, 139..306		

Seq. No.	5113	Seq. ID	OJ990312_01.9A01.C38
Gene No.	10623	Strand	-
Start	249	End	373
Name	OJ990312_01.9A01.C38.o1.gs	Method	GENSCAN
Start	249	End	373
GI	none	Score	.47
Exons	249..373		

Seq. No.	5114	Seq. ID	OJ990402_01.9A01.C1
Gene No.	10624	Strand	+
Start	1	End	2355
Name	OJ990402_01.9A01.C1.o1.np	Method	AAT/NAP
Start	1	End	1832
GI	2792238	Score	1620
Exons	1..532, 1003..1832		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5114	Seq. ID	OJ990402_01.9A01.C1
Gene No.	10624	Strand	+
Start	1	End	2355
Name	OJ990402_01.9A01.C1.o2.np	Method	AAT/NAP
Start	1	End	2355
GI	2258317	Score	501
Exons	1..330, 801..2355		
GI Descrip.	(AF004879) resistance complex protein I2C-2 [Lycopersicon esculentum]		

Seq. No.	5114	Seq. ID	OJ990402_01.9A01.C1
Gene No.	10624	Strand	+
Start	1	End	2355
Name	OJ990402_01.9A01.C1.o1.tm	Method	TBLASTX:Maize
Start	214	End	1219
GI	none	Score	39
Exons	214..252, 349..447, 469..543, 816..1217, 842..976, 1004..1219		

Seq. No.	5114	Seq. ID	OJ990402_01.9A01.C1
Gene No.	10624	Strand	+
Start	1	End	2355
Name	OJ990402_01.9A01.C1.o1.ts	Method	TBLASTX:Soybean
Start	361	End	1274
GI	none	Score	81
Exons	361..444, 363..440, 830..949, 834..950, 996..1229, 1013..1135, 1242..1274		

Seq. No.	5114	Seq. ID	OJ990402_01.9A01.C1
Gene No.	10624	Strand	+

Start	1	End	2355
Name	OJ990402_01.9A01.C1.o1.tw	Method	TBLASTX:Wheat
Start	364	End	1123
GI	none	Score	55
Exons	364..441, 439..507, 837..977,	854..952,	996..1121, 1013..1123

Seq. No.	5114	Seq. ID	OJ990402_01.9A01.C1
Gene No.	10624	Strand	+
Start	1	End	2355
Name	OJ990402_01.9A01.C1.o2.tm	Method	TBLASTX:Maize
Start	1487	End	1928
GI	none	Score	252
Exons	1487..1795, 1488..1928, 1539..1847,		1823..1900

Seq. No.	5115	Seq. ID	OJ990402_01.9A01.C2
Gene No.	10625	Strand	-
Start	66	End	911
Name	OJ990402_01.9A01.C2.o1.gs	Method	GENSCAN
Start	66	End	911
GI	none	Score	.48
Exons	66..473, 660..911		

Seq. No.	5115	Seq. ID	OJ990402_01.9A01.C2
Gene No.	10626	Strand	-
Start	1617	End	1942
Name	OJ990402_01.9A01.C2.o1.np	Method	AAT/NAP
Start	1617	End	1942
GI	3810596	Score	190
Exons	1617..1942		
GI Descrip.	(AC005398) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5115	Seq. ID	OJ990402_01.9A01.C2
Gene No.	10626	Strand	-
Start	1617	End	1942
Name	OJ990402_01.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	1627	End	1941
GI	none	Score	113
Exons	1627..1782, 1792..1941		

Seq. No.	5116	Seq. ID	OJ990402_01.9A01.C3
Gene No.	10627	Strand	+
Start	67	End	1301
Name	OJ990402_01.9A01.C3.o1.gs	Method	GENSCAN
Start	67	End	1301
GI	none	Score	.61
Exons	67..278, 660..1301		

Seq. No.	5116	Seq. ID	OJ990402_01.9A01.C3
Gene No.	10628	Strand	+
Start	2456	End	2752
Name	OJ990402_01.9A01.C3.o2.gs	Method	GENSCAN
Start	2456	End	2752
GI	none	Score	.84
Exons	2456..2752		

Seq. No.	5117	Seq. ID	OJ990402_01.9A01.C4

Gene No.	10629	Strand	-
Start	1	End	1775
Name	OJ990402_01.9A01.C4.o1.np	Method	AAT/NAP
Start	1	End	1775
GI	6907086	Score	1341
Exons	1..309, 433..551, 791..952, 1012..1775		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5117	Seq. ID	OJ990402_01.9A01.C4
Gene No.	10629	Strand	-
Start	1	End	1775
Name	OJ990402_01.9A01.C4.o2.gs	Method	GENSCAN
Start	618	End	1538
GI	none	Score	.69
Exons	618..883, 1020..1538		

Seq. No.	5118	Seq. ID	OJ990402_01.9A01.C5
Gene No.	10630	Strand	+
Start	65	End	1135
Name	OJ990402_01.9A01.C5.o1.gs	Method	GENSCAN
Start	65	End	860
GI	none	Score	.78
Exons	65..117, 301..347, 787..860		

Seq. No.	5118	Seq. ID	OJ990402_01.9A01.C5
Gene No.	10630	Strand	+
Start	65	End	1135
Name	OJ990402_01.9A01.C5.o1.gp	Method	AAT/GAP
Start	651	End	1135
GI	38782_1.R1084	Score	717
Exons	651..1135		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	5118	Seq. ID	OJ990402_01.9A01.C5
Gene No.	10631	Strand	-
Start	1	End	274
Name	OJ990402_01.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	274
GI	6907088	Score	198
Exons	1..36, 137..274		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5119	Seq. ID	OJ990402_01.9A01.C6
Gene No.	10632	Strand	+
Start	155	End	394
Name	OJ990402_01.9A01.C6.o1.gs	Method	GENSCAN
Start	155	End	394
GI	none	Score	.46
Exons	155..394		

Seq. No.	5119	Seq. ID	OJ990402_01.9A01.C6
Gene No.	10633	Strand	+
Start	851	End	911
Name	OJ990402_01.9A01.C6.o1.gp	Method	AAT/GAP
Start	851	End	911
GI	4715947	Score	75

Exons	851..911		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		
Seq. No.	5119	Seq. ID	OJ990402_01.9A01.C6
Gene No.	10634	Strand	+
Start	1353	End	1519
Name	OJ990402_01.9A01.C6.o1.np	Method	AAT/NAP
Start	1353	End	1519
GI	5541686	Score	95
Exons	1353..1519		
GI Descrip.	(AL096859) putative protein [Arabidopsis thaliana]		
Seq. No.	5120	Seq. ID	OJ990402_01.9A01.C8
Gene No.	10635	Strand	+
Start	1	End	630
Name	OJ990402_01.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	509
GI	2792238	Score	468
Exons	1..509		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		
Seq. No.	5120	Seq. ID	OJ990402_01.9A01.C8
Gene No.	10635	Strand	+
Start	1	End	630
Name	OJ990402_01.9A01.C8.o1.gs	Method	GENSCAN
Start	15	End	630
GI	none	Score	.44
Exons	15..630		
Seq. No.	5120	Seq. ID	OJ990402_01.9A01.C8
Gene No.	10635	Strand	+
Start	1	End	630
Name	OJ990402_01.9A01.C8.o1.ts	Method	TBLASTX:Soybean
Start	135	End	464
GI	none	Score	184
Exons	135..464		
Seq. No.	5120	Seq. ID	OJ990402_01.9A01.C8
Gene No.	10635	Strand	+
Start	1	End	630
Name	OJ990402_01.9A01.C8.o1.tm	Method	TBLASTX:Maize
Start	162	End	563
GI	none	Score	69
Exons	162..257, 165..563, 218..472		
Seq. No.	5121	Seq. ID	OJ990402_01.9A01.C9
Gene No.	10636	Strand	-
Start	1	End	621
Name	OJ990402_01.9A01.C9.o1.np	Method	AAT/NAP
Start	1	End	621
GI	6573772	Score	428
Exons	1..621		
GI Descrip.	(AC009243) F28K19.27 [Arabidopsis thaliana]		

Seq. No.	5121	Seq. ID	OJ990402_01.9A01.C9
Gene No.	10636	Strand	-
Start	1	End	621
Name	OJ990402_01.9A01.C9.o1.tc	Method	TBLASTX:Cress
Start	31	End	561
GI	none	Score	104
Exons	31..81, 82..195, 83..196, 181..330, 209..331, 343..561, 347..559		

Seq. No.	5121	Seq. ID	OJ990402_01.9A01.C9
Gene No.	10636	Strand	-
Start	1	End	621
Name	OJ990402_01.9A01.C9.o1.ts	Method	TBLASTX:Soybean
Start	31	End	561
GI	none	Score	116
Exons	31..78, 73..195, 86..196, 196..561, 197..559		

Seq. No.	5121	Seq. ID	OJ990402_01.9A01.C9
Gene No.	10636	Strand	-
Start	1	End	621
Name	OJ990402_01.9A01.C9.o1.tm	Method	TBLASTX:Maize
Start	40	End	561
GI	none	Score	143
Exons	40..195, 181..561, 233..538		

Seq. No.	5121	Seq. ID	OJ990402_01.9A01.C9
Gene No.	10636	Strand	-
Start	1	End	621
Name	OJ990402_01.9A01.C9.o1.gs	Method	GENSCAN
Start	89	End	541
GI	none	Score	.91
Exons	89..541		

Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10637	Strand	-
Start	1	End	2227
Name	OJ990402_01.9A01.C11.o1.gp	Method	AAT/GAP
Start	1	End	2227
GI	35419_1.R1084	Score	1184
Exons	1..171, 945..1164, 1991..2227		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10637	Strand	-
Start	1	End	2227
Name	OJ990402_01.9A01.C11.o1.gs	Method	GENSCAN
Start	11	End	2190
GI	none	Score	.87
Exons	11..171, 945..1164, 1991..2190		

Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	1	End	2194
GI	none	Score	188

Exons	1..177, 2..172, 942..1067, 942..1196, 946..1197, 1988..2074, 1990..2052, 2122..2175, 2123..2194, 2168..2194		
Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o2.ts	Method	TBLASTX:Soybean
Start	1	End	2288
GI	none	Score	172
Exons	1..177, 2..172, 942..1163, 942..1193, 946..1194, 1979..2074, 1990..2055, 2122..2175, 2250..2288		
Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o2.tc	Method	TBLASTX:Cress
Start	942	End	2053
GI	none	Score	171
Exons	942..1196, 946..1197, 949..1197, 1988..2053, 1990..2052		
Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	990	End	2194
GI	none	Score	164
Exons	990..1163, 990..1193, 991..1194, 1990..2055, 1991..2074, 2067..2084, 2122..2175, 2123..2194		
Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	3282	End	4020
GI	none	Score	35
Exons	3282..3320, 3387..3575, 3388..3570, 3630..3710, 3813..3971, 3859..3969, 3981..4019, 3991..4020		
Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	3372	End	4020
GI	none	Score	105
Exons	3372..3572, 3382..3570, 3630..3710, 3634..3684, 3825..4019, 3850..4020		
Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o2.gs	Method	GENSCAN
Start	3375	End	4018
GI	none	Score	.86
Exons	3375..4018		
Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-

Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o1.tc	Method	TBLASTX:Cress
Start	3378	End	4020
GI	none	Score	103
Exons	3378..3572, 3379..3570, 3631..3711, 3633..3710, 3825..4019, 3826..4020		

Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	3474	End	3944
GI	none	Score	61
Exons	3474..3572, 3475..3570, 3630..3710, 3634..3708, 3825..3944, 3826..3933		

Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o3.gp	Method	AAT/GAP
Start	3630	End	3964
GI	uC-osflcyp033h09b1	Score	606
Exons	3630..3964		
GI Descrip.	'4100433 2.0e-10 (AF000378) beta-glucosidase [Glycine max]'		

Seq. No.	5122	Seq. ID	OJ990402_01.9A01.C11
Gene No.	10638	Strand	-
Start	3375	End	4020
Name	OJ990402_01.9A01.C11.o1.np	Method	AAT/NAP
Start	3678	End	4018
GI	4100433	Score	232
Exons	3678..3744, 3778..4018		
GI Descrip.	(AF000378) beta-glucosidase [Glycine max]		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10639	Strand	+
Start	5366	End	8544
Name	OJ990402_01.9A01.C12.o2.gs	Method	GENSCAN
Start	5366	End	8544
GI	none	Score	.44
Exons	5366..5761, 6054..6105, 7061..7269, 7461..7642, 7957..8113, 8161..8544		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10640	Strand	+
Start	9206	End	9635
Name	OJ990402_01.9A01.C12.o3.gs	Method	GENSCAN
Start	9206	End	9635
GI	none	Score	.51
Exons	9206..9314, 9418..9635		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10641	Strand	-
Start	1	End	4027
Name	OJ990402_01.9A01.C12.o1.np	Method	AAT/NAP
Start	1	End	4015
GI	6573772	Score	441

Exons	1..152, 3626..4015		
GI Descrip.	(AC009243) F28K19.27 [Arabidopsis thaliana]		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10641	Strand	-
Start	1	End	4027
Name	OJ990402_01.9A01.C12.o1.gs	Method	GENSCAN
Start	61	End	4027
GI	none	Score	.69
Exons	61..152, 3626..4027		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10642	Strand	-
Start	10716	End	12717
Name	OJ990402_01.9A01.C12.o1.tc	Method	TBLASTX:Cress
Start	1	End	3835
GI	none	Score	188
Exons	1..150, 3..155, 3612..3812, 3617..3835, 3653..3835		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10642	Strand	-
Start	10716	End	12717
Name	OJ990402_01.9A01.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	165
GI	none	Score	226
Exons	1..165, 3..155		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10642	Strand	-
Start	10716	End	12717
Name	OJ990402_01.9A01.C12.o1.ts	Method	TBLASTX:Soybean
Start	75	End	3907
GI	none	Score	84
Exons	75..155, 76..147, 3612..3815, 3617..3907, 3758..3823		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10642	Strand	-
Start	10716	End	12717
Name	OJ990402_01.9A01.C12.o2.tm	Method	TBLASTX:Maize
Start	3617	End	3781
GI	none	Score	221
Exons	3617..3775, 3630..3773, 3632..3781		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10642	Strand	-
Start	10716	End	12717
Name	OJ990402_01.9A01.C12.o3.tm	Method	TBLASTX:Maize
Start	8331	End	8529
GI	none	Score	77
Exons	8331..8420, 8335..8424, 8336..8431, 8337..8423, 8338..8424, 8430..8522, 8431..8529		

Seq. No.	5123	Seq. ID	OJ990402_01.9A01.C12
Gene No.	10642	Strand	-
Start	10716	End	12717
Name	OJ990402_01.9A01.C12.o4.gs	Method	GENSCAN
Start	10716	End	12717

GI	none	Score	.41
Exons	10716..10817, 11298..11389, 12492..12717		

Seq. No.	5124	Seq. ID	OJ990402_01.9A01.C13
Gene No.	10643	Strand	+
Start	1421	End	2478
Name	OJ990402_01.9A01.C13.o2.gs	Method	GENSCAN
Start	1421	End	2445
GI	none	Score	.9
Exons	1421..2445		

Seq. No.	5124	Seq. ID	OJ990402_01.9A01.C13
Gene No.	10643	Strand	+
Start	1421	End	2478
Name	OJ990402_01.9A01.C13.o1.np	Method	AAT/NAP
Start	1679	End	2478
GI	2792222	Score	1094
Exons	1679..2478		
GI Descrip.	(AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5124	Seq. ID	OJ990402_01.9A01.C13
Gene No.	10644	Strand	-
Start	210	End	465
Name	OJ990402_01.9A01.C13.o1.gs	Method	GENSCAN
Start	210	End	465
GI	none	Score	.61
Exons	210..332, 387..465		

Seq. No.	5125	Seq. ID	OJ990402_01.9A01.C14
Gene No.	10645	Strand	+
Start	1	End	679
Name	OJ990402_01.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	679
GI	2792238	Score	1190
Exons	1..679		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5125	Seq. ID	OJ990402_01.9A01.C14
Gene No.	10645	Strand	+
Start	1	End	679
Name	OJ990402_01.9A01.C14.o1.gs	Method	GENSCAN
Start	180	End	622
GI	none	Score	.48
Exons	180..622		

Seq. No.	5125	Seq. ID	OJ990402_01.9A01.C14
Gene No.	10645	Strand	+
Start	1	End	679
Name	OJ990402_01.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	198	End	599
GI	none	Score	83
Exons	198..296, 218..280, 317..598, 318..599		

Seq. No.	5125	Seq. ID	OJ990402_01.9A01.C14
Gene No.	10645	Strand	+
Start	1	End	679
Name	OJ990402_01.9A01.C14.o1.ts	Method	TBLASTX:Soybean

Start	231	End	518
GI	none	Score	76
Exons	231..314, 233..289, 309..518		

Seq. No.	5126	Seq. ID	OJ990402_01.9A01.C15
Gene No.	10646	Strand	+
Start	108	End	437
Name	OJ990402_01.9A01.C15.o1.gs	Method	GENSCAN
Start	108	End	437
GI	none	Score	.84
Exons	108..437		

Seq. No.	5126	Seq. ID	OJ990402_01.9A01.C15
Gene No.	10647	Strand	-
Start	2488	End	6574
Name	OJ990402_01.9A01.C15.o2.gs	Method	GENSCAN
Start	2488	End	6574
GI	none	Score	.44
Exons	2488..3027, 3117..3470, 3542..3672, 4068..4194, 5244..5427, 5480..5490, 6506..6574		

Seq. No.	5126	Seq. ID	OJ990402_01.9A01.C15
Gene No.	10647	Strand	-
Start	2488	End	6574
Name	OJ990402_01.9A01.C15.o1.np	Method	AAT/NAP
Start	2770	End	6574
GI	6721547	Score	81
Exons	2770..2848, 6490..6574		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	5127	Seq. ID	OJ990402_01.9A01.C16
Gene No.	10648	Strand	+
Start	484	End	6086
Name	OJ990402_01.9A01.C16.o1.gs	Method	GENSCAN
Start	484	End	6086
GI	none	Score	.7
Exons	484..519, 566..654, 750..871, 1449..1637, 1802..4421, 4444..4548, 5217..5269, 5848..6086		

Seq. No.	5127	Seq. ID	OJ990402_01.9A01.C16
Gene No.	10648	Strand	+
Start	484	End	6086
Name	OJ990402_01.9A01.C16.o1.tc	Method	TBLASTX:Cress
Start	2038	End	3342
GI	none	Score	69
Exons	2038..2115, 2134..2301, 2359..2601, 2707..2817, 3121..3342		

Seq. No.	5127	Seq. ID	OJ990402_01.9A01.C16
Gene No.	10648	Strand	+
Start	484	End	6086
Name	OJ990402_01.9A01.C16.o1.np	Method	AAT/NAP
Start	2056	End	3501
GI	2792238	Score	1603
Exons	2056..3501		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5127	Seq. ID	OJ990402_01.9A01.C16

Gene No.	10648	Strand	+
Start	484	End	6086
Name	OJ990402_01.9A01.C16.o1.tm	Method	TBLASTX:Maize
Start	2065	End	2886
GI	none	Score	72
Exons	2065..2190, 2272..2382, 2347..2385, 2416..2475, 2485..2886, 2506..2643, 2670..2789		

Seq. No.	5127	Seq. ID	OJ990402_01.9A01.C16
Gene No.	10648	Strand	+
Start	484	End	6086
Name	OJ990402_01.9A01.C16.o1.ts	Method	TBLASTX:Soybean
Start	2233	End	2805
GI	none	Score	59
Exons	2233..2313, 2359..2472, 2503..2619, 2632..2805		

Seq. No.	5127	Seq. ID	OJ990402_01.9A01.C16
Gene No.	10648	Strand	+
Start	484	End	6086
Name	OJ990402_01.9A01.C16.o1.tw	Method	TBLASTX:Wheat
Start	2503	End	2789
GI	none	Score	92
Exons	2503..2649, 2520..2618, 2644..2787, 2673..2789		

Seq. No.	5127	Seq. ID	OJ990402_01.9A01.C16
Gene No.	10648	Strand	+
Start	484	End	6086
Name	OJ990402_01.9A01.C16.o2.tm	Method	TBLASTX:Maize
Start	2926	End	3453
GI	none	Score	238
Exons	2926..3453, 3157..3444		

Seq. No.	5128	Seq. ID	OJ990402_01.9A01.C17
Gene No.	10649	Strand	-
Start	865	End	966
Name	OJ990402_01.9A01.C17.o1.gs	Method	GENSCAN
Start	865	End	966
GI	none	Score	.64
Exons	865..966		

Seq. No.	5129	Seq. ID	OJ990402_01.9A01.C18
Gene No.	10650	Strand	-
Start	79	End	817
Name	OJ990402_01.9A01.C18.o1.gs	Method	GENSCAN
Start	79	End	577
GI	none	Score	.46
Exons	79..577		

Seq. No.	5129	Seq. ID	OJ990402_01.9A01.C18
Gene No.	10650	Strand	-
Start	79	End	817
Name	OJ990402_01.9A01.C18.o1.np	Method	AAT/NAP
Start	143	End	817
GI	2792238	Score	678
Exons	143..817		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5130	Seq. ID	OJ990402_01.9A01.C19
Gene No.	10651	Strand	-
Start	1	End	973
Name	OJ990402_01.9A01.C19.o1.np	Method	AAT/NAP
Start	1	End	973
GI	2792238	Score	868
Exons	1..973		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5130	Seq. ID	OJ990402_01.9A01.C19
Gene No.	10651	Strand	-
Start	1	End	973
Name	OJ990402_01.9A01.C19.o1.gs	Method	GENSCAN
Start	38	End	251
GI	none	Score	.41
Exons	38..251		

Seq. No.	5130	Seq. ID	OJ990402_01.9A01.C19
Gene No.	10651	Strand	-
Start	1	End	973
Name	OJ990402_01.9A01.C19.o1.tc	Method	TBLASTX:Cress
Start	56	End	532
GI	none	Score	75
Exons	56..136, 152..223, 224..355, 279..350, 440..532		

Seq. No.	5130	Seq. ID	OJ990402_01.9A01.C19
Gene No.	10651	Strand	-
Start	1	End	973
Name	OJ990402_01.9A01.C19.o1.ts	Method	TBLASTX:Soybean
Start	56	End	751
GI	none	Score	52
Exons	56..118, 185..394, 410..529, 557..682, 716..751		

Seq. No.	5130	Seq. ID	OJ990402_01.9A01.C19
Gene No.	10651	Strand	-
Start	1	End	973
Name	OJ990402_01.9A01.C19.o1.tm	Method	TBLASTX:Maize
Start	146	End	751
GI	none	Score	141
Exons	146..547, 227..520, 536..613, 692..751		

Seq. No.	5130	Seq. ID	OJ990402_01.9A01.C19
Gene No.	10651	Strand	-
Start	1	End	973
Name	OJ990402_01.9A01.C19.o1.tw	Method	TBLASTX:Wheat
Start	242	End	526
GI	none	Score	53
Exons	242..367, 282..368, 386..526, 411..509		

Seq. No.	5131	Seq. ID	OJ990402_01.9A01.C20
Gene No.	10652	Strand	-
Start	211	End	1233
Name	OJ990402_01.9A01.C20.o1.gs	Method	GENSCAN
Start	211	End	1233
GI	none	Score	.47
Exons	211..1233		

Seq. No.	5132	Seq. ID	OJ990402_01.9A01.C22
Gene No.	10653	Strand	+
Start	1220	End	3079
Name	OJ990402_01.9A01.C22.o1.gs	Method	GENSCAN
Start	1220	End	3079
GI	none	Score	.41
Exons	1220..1647, 2169..2226, 2990..3079		

Seq. No.	5133	Seq. ID	OJ990402_01.9A01.C23
Gene No.	10654	Strand	-
Start	1761	End	3941
Name	OJ990402_01.9A01.C23.o1.gs	Method	GENSCAN
Start	1761	End	3833
GI	none	Score	.98
Exons	1761..3833		

Seq. No.	5133	Seq. ID	OJ990402_01.9A01.C23
Gene No.	10654	Strand	-
Start	1761	End	3941
Name	OJ990402_01.9A01.C23.o1.np	Method	AAT/NAP
Start	2529	End	3941
GI	2792238	Score	1441
Exons	2529..3941		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5133	Seq. ID	OJ990402_01.9A01.C23
Gene No.	10654	Strand	-
Start	1761	End	3941
Name	OJ990402_01.9A01.C23.o1.tc	Method	TBLASTX:Cress
Start	2688	End	3884
GI	none	Score	58
Exons	2688..2906, 3225..3320, 3426..3668, 3726..3884		

Seq. No.	5133	Seq. ID	OJ990402_01.9A01.C23
Gene No.	10654	Strand	-
Start	1761	End	3941
Name	OJ990402_01.9A01.C23.o1.ts	Method	TBLASTX:Soybean
Start	3054	End	3794
GI	none	Score	111
Exons	3054..3116, 3183..3392, 3408..3527, 3555..3794		

Seq. No.	5133	Seq. ID	OJ990402_01.9A01.C23
Gene No.	10654	Strand	-
Start	1761	End	3941
Name	OJ990402_01.9A01.C23.o1.tm	Method	TBLASTX:Maize
Start	3142	End	3761
GI	none	Score	72
Exons	3142..3357, 3144..3545, 3156..3518, 3475..3519, 3609..3674, 3634..3675, 3690..3761		

Seq. No.	5133	Seq. ID	OJ990402_01.9A01.C23
Gene No.	10654	Strand	-
Start	1761	End	3941
Name	OJ990402_01.9A01.C23.o1.tw	Method	TBLASTX:Wheat
Start	3240	End	3524
GI	none	Score	61
Exons	3240..3365, 3280..3366, 3384..3524		

Seq. No.	5134	Seq. ID	OJ990402_01.9A01.C24
Gene No.	10655	Strand	-
Start	1	End	2777
Name	OJ990402_01.9A01.C24.o1.np	Method	AAT/NAP
Start	1	End	638
GI	2792222	Score	637
Exons	1..638		
GI Descrip.	(AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5134	Seq. ID	OJ990402_01.9A01.C24
Gene No.	10655	Strand	-
Start	1	End	2777
Name	OJ990402_01.9A01.C24.o1.gs	Method	GENSCAN
Start	65	End	2735
GI	none	Score	.55
Exons	65..1123, 2672..2735		

Seq. No.	5134	Seq. ID	OJ990402_01.9A01.C24
Gene No.	10655	Strand	-
Start	1	End	2777
Name	OJ990402_01.9A01.C24.o1.tm	Method	TBLASTX:Maize
Start	2492	End	2777
GI	none	Score	98
Exons	2492..2566, 2494..2565, 2497..2592, 2658..2687, 2697..2777, 2707..2769		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10656	Strand	+
Start	6958	End	7545
Name	OJ990402_01.9A01.C25.o2.gs	Method	GENSCAN
Start	6958	End	7545
GI	none	Score	.96
Exons	6958..7545		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10657	Strand	+
Start	11880	End	14144
Name	OJ990402_01.9A01.C25.o4.gs	Method	GENSCAN
Start	11880	End	14144
GI	none	Score	.47
Exons	11880..11957, 12349..12406, 12813..12990, 13385..13439, 13815..13949, 14133..14144		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10658	Strand	-
Start	1168	End	4489
Name	OJ990402_01.9A01.C25.o1.gs	Method	GENSCAN
Start	1168	End	4489
GI	none	Score	.4
Exons	1168..1198, 1269..1471, 1589..1757, 1917..2192, 2828..2917, 3893..3959, 4318..4489		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10659	Strand	-
Start	7689	End	10783
Name	OJ990402_01.9A01.C25.o3.gs	Method	GENSCAN

Start	7689	End	10783
GI	none	Score	.42
Exons	7689..8262, 8478..10783		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10659	Strand	-
Start	7689	End	10783
Name	OJ990402_01.9A01.C25.o1.np	Method	AAT/NAP
Start	9425	End	10363
GI	2792222	Score	969
Exons	9425..10363		
GI Descrip.	(AF032689) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10660	Strand	-
Start	14061	End	14513
Name	OJ990402_01.9A01.C25.o1.gp	Method	AAT/GAP
Start	14061	End	14513
GI	none	Score	877
Exons	14061..14513		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10661	Strand	-
Start	16179	End	18900
Name	OJ990402_01.9A01.C25.o2.tm	Method	TBLASTX:Maize
Start	1912	End	2115
GI	none	Score	306
Exons	1912..2103, 1913..2104, 1933..2115		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10661	Strand	-
Start	16179	End	18900
Name	OJ990402_01.9A01.C25.o3.tm	Method	TBLASTX:Maize
Start	8684	End	17804
GI	none	Score	66
Exons	8684..9082, 8775..9029, 8990..9085, 17133..17804, 17161..17250, 17266..17577		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10661	Strand	-
Start	16179	End	18900
Name	OJ990402_01.9A01.C25.o2.ts	Method	TBLASTX:Soybean
Start	8783	End	17597
GI	none	Score	179
Exons	8783..9112, 17274..17597		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10661	Strand	-
Start	16179	End	18900
Name	OJ990402_01.9A01.C25.o1.tc	Method	TBLASTX:Cress
Start	8897	End	18692
GI	none	Score	66
Exons	8897..9103, 9434..9529, 9635..9877, 9935..10117, 17388..17609, 17400..17594, 17913..18023, 18129..18371, 18175..18207, 18262..18363, 18432..18614, 18615..18692		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25

Gene No.	10661	Strand	-
Start	16179	End	18900
Name	OJ990402_01.9A01.C25.o1.ts	Method	TBLASTX:Soybean
Start	9263	End	18497
GI	none	Score	73
Exons	9263..9325, 9392..9601, 9617..9736, 9764..9889, 9923..10003, 17757..17822, 17895..18098, 18111..18230, 18243..18371, 18408..18497		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10661	Strand	-
Start	16179	End	18900
Name	OJ990402_01.9A01.C25.o1.tm	Method	TBLASTX:Maize
Start	9353	End	18467
GI	none	Score	141
Exons	9353..9754, 9434..9727, 9743..9820, 9899..9970, 9947..10153, 17844..18242, 17928..18035, 18075..18242, 18339..18377, 18393..18467		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10661	Strand	-
Start	16179	End	18900
Name	OJ990402_01.9A01.C25.o1.tw	Method	TBLASTX:Wheat
Start	9449	End	18227
GI	none	Score	53
Exons	9449..9574, 9489..9575, 9593..9733, 9618..9716, 17943..18068, 18082..18210, 18087..18227		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10661	Strand	-
Start	16179	End	18900
Name	OJ990402_01.9A01.C25.o5.gs	Method	GENSCAN
Start	16179	End	18900
GI	none	Score	.59
Exons	16179..18900		

Seq. No.	5135	Seq. ID	OJ990402_01.9A01.C25
Gene No.	10661	Strand	-
Start	16179	End	18900
Name	OJ990402_01.9A01.C25.o2.np	Method	AAT/NAP
Start	17229	End	18674
GI	2792238	Score	2161
Exons	17229..18674		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5136	Seq. ID	OJ990402_01.9A01.C26
Gene No.	10662	Strand	-
Start	1	End	139
Name	OJ990402_01.9A01.C26.o1.gp	Method	AAT/GAP
Start	1	End	139
GI	none	Score	249
Exons	1..139		

Seq. No.	5137	Seq. ID	OJ990402_01.9A01.C30
Gene No.	10663	Strand	-
Start	1	End	704
Name	OJ990402_01.9A01.C30.o1.np	Method	AAT/NAP

Start	1	End	704
GI	6069659	Score	112
Exons	1..31, 247..399, 652..704		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	5137	Seq. ID	OJ990402_01.9A01.C30
Gene No.	10663	Strand	-
Start	1	End	704
Name	OJ990402_01.9A01.C30.o1.gs	Method	GENSCAN
Start	226	End	591
GI	none	Score	.71
Exons	226..366, 509..591		

Seq. No.	5137	Seq. ID	OJ990402_01.9A01.C30
Gene No.	10663	Strand	-
Start	1	End	704
Name	OJ990402_01.9A01.C30.o2.np	Method	AAT/NAP
Start	509	End	704
GI	6907088	Score	261
Exons	509..704		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5138	Seq. ID	OJ990402_01.9A01.C31
Gene No.	10664	Strand	-
Start	34	End	576
Name	OJ990402_01.9A01.C31.o1.np	Method	AAT/NAP
Start	34	End	576
GI	2792238	Score	571
Exons	34..576		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5138	Seq. ID	OJ990402_01.9A01.C31
Gene No.	10664	Strand	-
Start	34	End	576
Name	OJ990402_01.9A01.C31.o1.tm	Method	TBLASTX:Maize
Start	82	End	543
GI	none	Score	104
Exons	82..543, 91..378		

Seq. No.	5139	Seq. ID	OJ990402_01.9A01.C32
Gene No.	10665	Strand	-
Start	1	End	352
Name	OJ990402_01.9A01.C32.o1.np	Method	AAT/NAP
Start	1	End	352
GI	1176976	Score	640
Exons	1..352		
GI Descrip.	HYPOTHETICAL 29.2 KD PROTEIN IN XAPA-LIG INTERGENIC REGION (ORF254) gi|929585|emb|CAA52046| (X73828) orf254 [Escherichia coli] gi|1788747 (AE000328) putative sugar hydrolase [Escherichia coli] gi|1799822|dbj|BAA16279| (D90870) similar to [SwissProt Accession Number P45564] [Escherichia coli]		

Seq. No.	5139	Seq. ID	OJ990402_01.9A01.C32
Gene No.	10665	Strand	-
Start	1	End	352
Name	OJ990402_01.9A01.C32.o1.gs	Method	GENSCAN
Start	7	End	223

GI	none	Score	.99
Exons	7..223		

Seq. No.	5140	Seq. ID	OJ990402_01.9A01.C34
Gene No.	10666	Strand	-
Start	1	End	1044
Name	OJ990402_01.9A01.C34.o1.np	Method	AAT/NAP
Start	1	End	1044
GI	6466937	Score	758
Exons	1..1044		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5140	Seq. ID	OJ990402_01.9A01.C34
Gene No.	10666	Strand	-
Start	1	End	1044
Name	OJ990402_01.9A01.C34.o2.ts	Method	TBLASTX:Soybean
Start	3	End	224
GI	none	Score	187
Exons	3..224		

Seq. No.	5140	Seq. ID	OJ990402_01.9A01.C34
Gene No.	10666	Strand	-
Start	1	End	1044
Name	OJ990402_01.9A01.C34.o2.tw	Method	TBLASTX:Wheat
Start	12	End	197
GI	none	Score	99
Exons	12..197, 12..194		

Seq. No.	5140	Seq. ID	OJ990402_01.9A01.C34
Gene No.	10666	Strand	-
Start	1	End	1044
Name	OJ990402_01.9A01.C34.o1.tm	Method	TBLASTX:Maize
Start	147	End	632
GI	none	Score	83
Exons	147..632, 150..332, 190..333, 360..542		

Seq. No.	5140	Seq. ID	OJ990402_01.9A01.C34
Gene No.	10666	Strand	-
Start	1	End	1044
Name	OJ990402_01.9A01.C34.o1.tw	Method	TBLASTX:Wheat
Start	201	End	572
GI	none	Score	65
Exons	201..572, 205..333, 243..518, 376..531		

Seq. No.	5140	Seq. ID	OJ990402_01.9A01.C34
Gene No.	10666	Strand	-
Start	1	End	1044
Name	OJ990402_01.9A01.C34.o1.ts	Method	TBLASTX:Soybean
Start	329	End	647
GI	none	Score	56
Exons	329..463, 336..647, 345..569		

Seq. No.	5141	Seq. ID	OJ990402_01.9A01.C37
Gene No.	10667	Strand	-
Start	1	End	1418
Name	OJ990402_01.9A01.C37.o1.np	Method	AAT/NAP

Start	1	End	1418
GI	6069659	Score	103
Exons	1..70, 236..348, 1342..1418		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	5141	Seq. ID	OJ990402_01.9A01.C37
Gene No.	10667	Strand	-
Start	1	End	1418
Name	OJ990402_01.9A01.C37.o2.np	Method	AAT/NAP
Start	1	End	1049
GI	6907088	Score	543
Exons	1..62, 497..736, 912..1049		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5141	Seq. ID	OJ990402_01.9A01.C37
Gene No.	10667	Strand	-
Start	1	End	1418
Name	OJ990402_01.9A01.C37.o1.gs	Method	GENSCAN
Start	215	End	580
GI	none	Score	.41
Exons	215..355, 498..580		

Seq. No.	5142	Seq. ID	OJ990402_01.9A01.C38
Gene No.	10668	Strand	-
Start	450	End	579
Name	OJ990402_01.9A01.C38.o1.gs	Method	GENSCAN
Start	450	End	579
GI	none	Score	.87
Exons	450..579		

Seq. No.	5143	Seq. ID	OJ990402_01.9A01.C39
Gene No.	10669	Strand	+
Start	1	End	1211
Name	OJ990402_01.9A01.C39.o1.np	Method	AAT/NAP
Start	1	End	1211
GI	6466937	Score	800
Exons	1..1211		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5143	Seq. ID	OJ990402_01.9A01.C39
Gene No.	10669	Strand	+
Start	1	End	1211
Name	OJ990402_01.9A01.C39.o1.ts	Method	TBLASTX:Soybean
Start	58	End	283
GI	none	Score	235
Exons	58..258, 59..283		

Seq. No.	5143	Seq. ID	OJ990402_01.9A01.C39
Gene No.	10669	Strand	+
Start	1	End	1211
Name	OJ990402_01.9A01.C39.o1.tm	Method	TBLASTX:Maize
Start	60	End	511
GI	none	Score	82
Exons	60..170, 61..171, 61..510, 62..511		

Seq. No.	5143	Seq. ID	OJ990402_01.9A01.C39

Gene No.	10669	Strand	+
Start	1	End	1211
Name	OJ990402_01.9A01.C39.o1.gs	Method	GENSCAN
Start	68	End	1102
GI	none	Score	.96
Exons	68..1102		

Seq. No.	5143	Seq. ID	OJ990402_01.9A01.C39
Gene No.	10669	Strand	+
Start	1	End	1211
Name	OJ990402_01.9A01.C39.o1.tw	Method	TBLASTX:Wheat
Start	131	End	724
GI	none	Score	256
Exons	131..511, 322..510, 578..724		

Seq. No.	5143	Seq. ID	OJ990402_01.9A01.C39
Gene No.	10669	Strand	+
Start	1	End	1211
Name	OJ990402_01.9A01.C39.o2.tm	Method	TBLASTX:Maize
Start	578	End	1084
GI	none	Score	260
Exons	578..943, 640..726, 775..864, 953..1084		

Seq. No.	5143	Seq. ID	OJ990402_01.9A01.C39
Gene No.	10669	Strand	+
Start	1	End	1211
Name	OJ990402_01.9A01.C39.o2.tw	Method	TBLASTX:Wheat
Start	743	End	988
GI	none	Score	190
Exons	743..988, 775..855		

Seq. No.	5144	Seq. ID	OJ990402_01.9A01.C40
Gene No.	10670	Strand	-
Start	270	End	354
Name	OJ990402_01.9A01.C40.o1.gs	Method	GENSCAN
Start	270	End	354
GI	none	Score	.71
Exons	270..354		

Seq. No.	5145	Seq. ID	OJ990402_01.9A01.C41
Gene No.	10671	Strand	-
Start	1	End	168
Name	OJ990402_01.9A01.C41.o1.np	Method	AAT/NAP
Start	1	End	168
GI	5305458	Score	177
Exons	1..168		
GI Descrip.	(AF074886) resistance protein [Oryza sativa]		

Seq. No.	5146	Seq. ID	OJ990722_05.9A06.C1
Gene No.	10672	Strand	+
Start	299	End	1449
Name	OJ990722_05.9A06.C1.o1.gp	Method	AAT/GAP
Start	299	End	1016
GI	23825_1.R1084	Score	698
Exons	299..321, 501..696, 814..1016		
GI Descrip.	'6056199/gb|AAF02816.1|AC009400_12 7.0e-30 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5146	Seq. ID	OJ990722_05.9A06.C1
Gene No.	10672	Strand	+
Start	299	End	1449
Name	OJ990722_05.9A06.C1.o1.gs	Method	GENSCAN
Start	502	End	1221
GI	none	Score	.78
Exons	502..696, 814..994, 1080..1221		

Seq. No.	5146	Seq. ID	OJ990722_05.9A06.C1
Gene No.	10672	Strand	+
Start	299	End	1449
Name	OJ990722_05.9A06.C1.o1.tm	Method	TBLASTX:Maize
Start	510	End	1223
GI	none	Score	254
Exons	510..710, 513..695, 790..981, 815..991, 831..992, 1078..1218, 1080..1220, 1081..1221, 1097..1222, 1098..1223		

Seq. No.	5146	Seq. ID	OJ990722_05.9A06.C1
Gene No.	10672	Strand	+
Start	299	End	1449
Name	OJ990722_05.9A06.C1.o1.np	Method	AAT/NAP
Start	522	End	1449
GI	6056199	Score	420
Exons	522..696, 814..994, 1080..1221, 1380..1449		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	5146	Seq. ID	OJ990722_05.9A06.C1
Gene No.	10672	Strand	+
Start	299	End	1449
Name	OJ990722_05.9A06.C1.o1.ts	Method	TBLASTX:Soybean
Start	531	End	1448
GI	none	Score	87
Exons	531..695, 647..694, 815..997, 831..992, 1078..1224, 1087..1215, 1383..1448, 1385..1441, 1395..1448		

Seq. No.	5146	Seq. ID	OJ990722_05.9A06.C1
Gene No.	10672	Strand	+
Start	299	End	1449
Name	OJ990722_05.9A06.C1.o1.tc	Method	TBLASTX:Cress
Start	645	End	989
GI	none	Score	68
Exons	645..695, 810..974, 815..979, 831..989		

Seq. No.	5146	Seq. ID	OJ990722_05.9A06.C1
Gene No.	10672	Strand	+
Start	299	End	1449
Name	OJ990722_05.9A06.C1.o1.tw	Method	TBLASTX:Wheat
Start	645	End	1230
GI	none	Score	70
Exons	645..695, 653..691, 791..943, 831..974, 1072..1230		

Seq. No.	5147	Seq. ID	OJ990722_05.9A06.C2
Gene No.	10673	Strand	+
Start	1	End	1095
Name	OJ990722_05.9A06.C2.o1.np	Method	AAT/NAP
Start	1	End	1095

GI	3402749	Score	893
Exons	1..1095		
GI Descrip.	(AL031187) putative protein [Arabidopsis thaliana]		

Seq. No.	5147	Seq. ID	OJ990722_05.9A06.C2
Gene No.	10673	Strand	+
Start	1	End	1095
Name	OJ990722_05.9A06.C2.o1.tw	Method	TBLASTX:Wheat
Start	66	End	560
GI	none	Score	65
Exons	66..173, 90..560, 107..184, 281..358, 443..556		

Seq. No.	5147	Seq. ID	OJ990722_05.9A06.C2
Gene No.	10673	Strand	+
Start	1	End	1095
Name	OJ990722_05.9A06.C2.o1.tc	Method	TBLASTX:Cress
Start	75	End	728
GI	none	Score	297
Exons	75..617, 342..479, 603..728		

Seq. No.	5147	Seq. ID	OJ990722_05.9A06.C2
Gene No.	10673	Strand	+
Start	1	End	1095
Name	OJ990722_05.9A06.C2.o1.tm	Method	TBLASTX:Maize
Start	90	End	1001
GI	none	Score	68
Exons	90..224, 90..224, 126..1001, 230..427, 233..691		

Seq. No.	5147	Seq. ID	OJ990722_05.9A06.C2
Gene No.	10673	Strand	+
Start	1	End	1095
Name	OJ990722_05.9A06.C2.o1.gs	Method	GENSCAN
Start	111	End	1049
GI	none	Score	.83
Exons	111..1049		

Seq. No.	5147	Seq. ID	OJ990722_05.9A06.C2
Gene No.	10673	Strand	+
Start	1	End	1095
Name	OJ990722_05.9A06.C2.o1.ts	Method	TBLASTX:Soybean
Start	213	End	989
GI	none	Score	59
Exons	213..332, 432..473, 498..989, 498..938		

Seq. No.	5147	Seq. ID	OJ990722_05.9A06.C2
Gene No.	10673	Strand	+
Start	1	End	1095
Name	OJ990722_05.9A06.C2.o2.tc	Method	TBLASTX:Cress
Start	732	End	989
GI	none	Score	209
Exons	732..989, 734..910		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10674	Strand	+
Start	229	End	397
Name	OJ990722_05.9A06.C3.o1.gs	Method	GENSCAN
Start	229	End	397

GI	none	Score	.75
Exons	229..397		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10675	Strand	+
Start	4299	End	4690
Name	OJ990722_05.9A06.C3.o1.gp	Method	AAT/GAP
Start	4299	End	4690
GI	2311825	Score	780
Exons	4299..4690		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10676	Strand	+
Start	6072	End	8241
Name	OJ990722_05.9A06.C3.o4.gs	Method	GENSCAN
Start	6072	End	8241
GI	none	Score	.55
Exons	6072..6145, 6776..6806, 7385..7682, 7719..7898, 8177..8241		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10677	Strand	-
Start	1806	End	2495
Name	OJ990722_05.9A06.C3.o2.gs	Method	GENSCAN
Start	1806	End	2495
GI	none	Score	.99
Exons	1806..1976, 2334..2495		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10678	Strand	-
Start	3393	End	5240
Name	OJ990722_05.9A06.C3.o3.gs	Method	GENSCAN
Start	3393	End	5240
GI	none	Score	.88
Exons	3393..3462, 3758..3782, 3836..3953, 4081..4155, 4219..4314, 4425..4532, 4620..4689, 4831..4958, 5055..5240		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10678	Strand	-
Start	3393	End	5240
Name	OJ990722_05.9A06.C3.o1.np	Method	AAT/NAP
Start	4831	End	5140
GI	6226027	Score	47
Exons	4831..5001, 5055..5140		
GI Descrip.	PROBABLE RIBOSE 5-PHOSPHATE ISOMERASE (PHOSPHORIBOISOMERASE) gi|4262236|gb|AAD14529.1| (AC006200) putative ribose 5-phosphate isomerase [Arabidopsis thaliana]		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10679	Strand	-
Start	6476	End	7935
Name	OJ990722_05.9A06.C3.o2.gp	Method	AAT/GAP
Start	6476	End	7935
GI	20262_1.R1084	Score	716
Exons	6476..6769, 7800..7935		
GI Descrip.	'3402817/emb|CAA07704| 1.0e-17 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10680	Strand	-
Start	8523	End	10673
Name	OJ990722_05.9A06.C3.o1.tm	Method	TBLASTX:Maize
Start	3385	End	4323
GI	none	Score	88
Exons	3385..3477, 3385..3447, 3399..3458, 3694..3759, 3696..3758, 3825..3956, 3835..3954, 3836..3955, 4074..4133, 4078..4134, 4079..4135, 4220..4255, 4234..4254, 4258..4323, 4258..4311		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10680	Strand	-
Start	8523	End	10673
Name	OJ990722_05.9A06.C3.o1.ts	Method	TBLASTX:Soybean
Start	3685	End	4991
GI	none	Score	81
Exons	3685..3753, 3690..3755, 3702..3758, 3837..3956, 3838..3954, 3855..3956, 4078..4134, 4079..4132, 4229..4327, 4234..4311, 4422..4544, 4446..4499, 4617..4688, 4651..4692, 4833..4991, 4903..4959		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10680	Strand	-
Start	8523	End	10673
Name	OJ990722_05.9A06.C3.o3.tm	Method	TBLASTX:Maize
Start	4496	End	5243
GI	none	Score	46
Exons	4496..4540, 4507..4539, 4613..4693, 4620..4694, 4815..4958, 4830..4958, 4903..4959, 5043..5096, 5223..5243		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10680	Strand	-
Start	8523	End	10673
Name	OJ990722_05.9A06.C3.o5.gs	Method	GENSCAN
Start	8523	End	10432
GI	none	Score	.93
Exons	8523..9083, 9174..9285, 10267..10432		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10680	Strand	-
Start	8523	End	10673
Name	OJ990722_05.9A06.C3.o3.gp	Method	AAT/GAP
Start	9992	End	10673
GI	9148_1.R1084	Score	895
Exons	9992..10432, 10589..10673		
GI Descrip.	'6056199/gb|AAF02816.1|AC009400_12 2.0e-27 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10680	Strand	-
Start	8523	End	10673
Name	OJ990722_05.9A06.C3.o2.tm	Method	TBLASTX:Maize
Start	10254	End	10619
GI	none	Score	168
Exons	10254..10430, 10263..10433, 10264..10434, 10264..10434, 10587..10619		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10680	Strand	-
Start	8523	End	10673
Name	OJ990722_05.9A06.C3.o2.ts	Method	TBLASTX:Soybean
Start	10261	End	10655
GI	none	Score	64
Exons	10261..10332, 10263..10433, 10587..10643, 10587..10655, 10588..10653		

Seq. No.	5148	Seq. ID	OJ990722_05.9A06.C3
Gene No.	10680	Strand	-
Start	8523	End	10673
Name	OJ990722_05.9A06.C3.o2.np	Method	AAT/NAP
Start	10266	End	10673
GI	6056199	Score	221
Exons	10266..10432, 10589..10673		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10681	Strand	+
Start	1973	End	3853
Name	OJ990722_05.9A06.C4.o2.gs	Method	GENSCAN
Start	1973	End	3853
GI	none	Score	.46
Exons	1973..2114, 2682..2700, 2788..3635, 3714..3853		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10682	Strand	-
Start	230	End	526
Name	OJ990722_05.9A06.C4.o1.gs	Method	GENSCAN
Start	230	End	526
GI	none	Score	.67
Exons	230..377, 516..526		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10683	Strand	-
Start	4641	End	5056
Name	OJ990722_05.9A06.C4.o1.gp	Method	AAT/GAP
Start	4641	End	5056
GI	8022_1.R1084	Score	165
Exons	4641..4673, 4976..5056		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o3.gs	Method	GENSCAN
Start	5507	End	10649
GI	none	Score	.45
Exons	5507..5526, 6662..6774, 6869..10147, 10386..10486, 10512..10649		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o1.np	Method	AAT/NAP
Start	6355	End	10725

GI	6069646	Score	986
Exons	6355..7343, 7626..8440, 10697..10725		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o4.tm	Method	TBLASTX:Maize
Start	6557	End	6837
GI	none	Score	102
Exons	6557..6835, 6565..6837, 6565..6837		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o5.tm	Method	TBLASTX:Maize
Start	7177	End	7399
GI	none	Score	105
Exons	7177..7398, 7178..7399		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o1.tw	Method	TBLASTX:Wheat
Start	7330	End	7770
GI	none	Score	53
Exons	7330..7488, 7340..7423, 7474..7770, 7478..7591, 7637..7768		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o2.tm	Method	TBLASTX:Maize
Start	7411	End	8022
GI	none	Score	380
Exons	7411..8022		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o3.np	Method	AAT/NAP
Start	7969	End	9513
GI	2462134	Score	555
Exons	7969..9513		
GI Descrip.	(Y13368) reverse transcriptase [Beta vulgaris]		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o1.tm	Method	TBLASTX:Maize
Start	8026	End	8452
GI	none	Score	291
Exons	8026..8451, 8027..8452		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o3.tm	Method	TBLASTX:Maize
Start	8608	End	9039
GI	none	Score	56
Exons	8608..9039, 8804..8884, 8860..9000		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o2.tw	Method	TBLASTX:Wheat
Start	9034	End	9387
GI	none	Score	183
Exons	9034..9387		

Seq. No.	5149	Seq. ID	OJ990722_05.9A06.C4
Gene No.	10684	Strand	-
Start	5507	End	10725
Name	OJ990722_05.9A06.C4.o6.tm	Method	TBLASTX:Maize
Start	9253	End	9498
GI	none	Score	130
Exons	9253..9357, 9370..9498		

Seq. No.	5150	Seq. ID	OJ990722_05.9A06.C5
Gene No.	10685	Strand	+
Start	635	End	1377
Name	OJ990722_05.9A06.C5.o1.np	Method	AAT/NAP
Start	635	End	1377
GI	4680183	Score	193
Exons	635..705, 1288..1377		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5150	Seq. ID	OJ990722_05.9A06.C5
Gene No.	10686	Strand	-
Start	712	End	2585
Name	OJ990722_05.9A06.C5.o2.np	Method	AAT/NAP
Start	712	End	2585
GI	1150834	Score	41
Exons	712..751, 2063..2132, 2342..2585		
GI Descrip.	(U42471) Wiscott-Aldrich Syndrome protein homolog [Mus musculus]		

Seq. No.	5151	Seq. ID	OJ990722_05.9A06.C7
Gene No.	10687	Strand	+
Start	1	End	3728
Name	OJ990722_05.9A06.C7.o1.np	Method	AAT/NAP
Start	1	End	3728
GI	2119175	Score	122
Exons	1..334, 3151..3728		
GI Descrip.	elastin precursor - chicken (fragment)		

Seq. No.	5151	Seq. ID	OJ990722_05.9A06.C7
Gene No.	10688	Strand	-
Start	3036	End	4733
Name	OJ990722_05.9A06.C7.o2.gs	Method	GENSCAN
Start	3036	End	4733
GI	none	Score	.83

Exons	3036..3732, 3798..3847, 4689..4733		
Seq. No.	5152	Seq. ID	OJ990722_05.9A06.C8
Gene No.	10689	Strand	+
Start	1244	End	1770
Name	OJ990722_05.9A06.C8.o1.gp	Method	AAT/GAP
Start	1244	End	1770
GI	none	Score	1018
Exons	1244..1770		
Seq. No.	5152	Seq. ID	OJ990722_05.9A06.C8
Gene No.	10689	Strand	+
Start	1244	End	1770
Name	OJ990722_05.9A06.C8.o1.gs	Method	GENSCAN
Start	1334	End	1741
GI	none	Score	.87
Exons	1334..1741		
Seq. No.	5152	Seq. ID	OJ990722_05.9A06.C8
Gene No.	10690	Strand	-
Start	1910	End	2166
Name	OJ990722_05.9A06.C8.o2.gp	Method	AAT/GAP
Start	1910	End	2166
GI	uC-osflM202088b11a1	Score	514
Exons	1910..2166		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		
Seq. No.	5153	Seq. ID	OJ990722_05.9A06.C9
Gene No.	10691	Strand	+
Start	661	End	1730
Name	OJ990722_05.9A06.C9.o1.gp	Method	AAT/GAP
Start	661	End	1044
GI	none	Score	747
Exons	661..1044		
Seq. No.	5153	Seq. ID	OJ990722_05.9A06.C9
Gene No.	10691	Strand	+
Start	661	End	1730
Name	OJ990722_05.9A06.C9.o1.gs	Method	GENSCAN
Start	705	End	1730
GI	none	Score	.75
Exons	705..1152, 1699..1730		
Seq. No.	5153	Seq. ID	OJ990722_05.9A06.C9
Gene No.	10692	Strand	-
Start	747	End	1507
Name	OJ990722_05.9A06.C9.o1.np	Method	AAT/NAP
Start	747	End	1191
GI	3261557	Score	91
Exons	747..1191		
GI Descrip.	(AL022075) PE_PGRS [Mycobacterium tuberculosis]		
Seq. No.	5153	Seq. ID	OJ990722_05.9A06.C9

Gene No.	10692	Strand	-
Start	747	End	1507
Name	OJ990722_05.9A06.C9.o2.gp	Method	AAT/GAP
Start	1017	End	1507
GI	none	Score	650
Exons	1017..1343, 1375..1507		

Seq. No.	5153	Seq. ID	OJ990722_05.9A06.C9
Gene No.	10693	Strand	-
Start	2391	End	4512
Name	OJ990722_05.9A06.C9.o2.gs	Method	GENSCAN
Start	2391	End	4512
GI	none	Score	.68
Exons	2391..2411, 3085..3168, 4507..4512		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10694	Strand	+
Start	1	End	3277
Name	OJ990722_05.9A06.C10.o1.np	Method	AAT/NAP
Start	1	End	2005
GI	4531445	Score	202
Exons	1..35, 736..1298, 1400..1496, 1574..1639, 1821..1886, 1979..2005		
GI Descrip.	(AC006224) unknown protein [Arabidopsis thaliana]		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10694	Strand	+
Start	1	End	3277
Name	OJ990722_05.9A06.C10.o1.gs	Method	GENSCAN
Start	722	End	2469
GI	none	Score	.89
Exons	722..1304, 1360..1496, 1516..1639, 1680..1711, 1821..1886, 2033..2266, 2347..2469		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10694	Strand	+
Start	1	End	3277
Name	OJ990722_05.9A06.C10.o1.gp	Method	AAT/GAP
Start	1274	End	3277
GI	11488_1.R1084	Score	1680
Exons	1274..1309, 1395..1496, 1574..1639, 1821..1886, 1979..2266, 2347..2484, 3022..3277		
GI Descrip.	'4580456/gb|AAD24380.1|AC006081_2 1.0e-32 (AC006081) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10695	Strand	+
Start	3659	End	4819
Name	OJ990722_05.9A06.C10.o2.gs	Method	GENSCAN
Start	3659	End	4819
GI	none	Score	.62
Exons	3659..3758, 4650..4819		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10696	Strand	+
Start	6726	End	8551
Name	OJ990722_05.9A06.C10.o3.gs	Method	GENSCAN
Start	6726	End	8551

GI	none	Score	.63
Exons	6726..6808, 7318..7366, 8417..8551		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10697	Strand	+
Start	11584	End	16335
Name	OJ990722_05.9A06.C10.o3.gp	Method	AAT/GAP
Start	11584	End	13224
GI	48475_1.R1084	Score	1115
Exons	11584..11874, 11974..12186, 13128..13224		
GI Descrip.	'6007450/gb|AAF00921.1|AF188159_1 1.0e-08 (AF188159) actin I [Hypotrichida sp. ''unknown F'']'		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10697	Strand	+
Start	11584	End	16335
Name	OJ990722_05.9A06.C10.o2.np	Method	AAT/NAP
Start	11782	End	16335
GI	5823597	Score	295
Exons	11782..11914, 11987..12186, 13128..13263, 14631..14881, 15103..15286, 16035..16106, 16193..16335		
GI Descrip.	(AJ236897) actin [Candida dubliniensis]		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10697	Strand	+
Start	11584	End	16335
Name	OJ990722_05.9A06.C10.o5.gs	Method	GENSCAN
Start	11797	End	15291
GI	none	Score	.74
Exons	11797..11874, 11974..12342, 13128..13269, 14637..14881, 15103..15291		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10698	Strand	+
Start	16237	End	16583
Name	OJ990722_05.9A06.C10.o4.gp	Method	AAT/GAP
Start	16237	End	16583
GI	6024916	Score	357
Exons	16237..16376, 16485..16583		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10699	Strand	+
Start	16582	End	16923
Name	OJ990722_05.9A06.C10.o5.gp	Method	AAT/GAP
Start	16582	End	16923
GI	none	Score	644
Exons	16582..16923		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10700	Strand	-
Start	8341	End	8600
Name	OJ990722_05.9A06.C10.o2.gp	Method	AAT/GAP
Start	8341	End	8600
GI	701929	Score	512
Exons	8341..8600		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10

Gene No.	10701	Strand	-
Start	9876	End	11411
Name	OJ990722_05.9A06.C10.o4.gs	Method	GENSCAN
Start	9876	End	11411
GI	none	Score	.81
Exons	9876..11411		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o5.tm	Method	TBLASTX:Maize
Start	582	End	1084
GI	none	Score	50
Exons	582..629, 695..772, 740..772, 868..954, 869..943, 1046..1084, 1048..1083		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o1.tm	Method	TBLASTX:Maize
Start	1811	End	2194
GI	none	Score	105
Exons	1811..1879, 1815..1889, 1819..1884, 1949..2032, 1972..2178, 1975..2187, 1976..2188, 2081..2194		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o4.tm	Method	TBLASTX:Maize
Start	9900	End	10829
GI	none	Score	108
Exons	9900..10112, 9936..10406, 10008..10217, 10128..10466, 10503..10829		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o4.ts	Method	TBLASTX:Soybean
Start	9948	End	10829
GI	none	Score	82
Exons	9948..10304, 9981..10208, 9996..10409, 10563..10829		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o3.tc	Method	TBLASTX:Cress
Start	9951	End	10838
GI	none	Score	67
Exons	9951..10139, 9954..10325, 10110..10421, 10578..10838, 10693..10827, 10698..10826		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o2.tm	Method	TBLASTX:Maize
Start	11739	End	14725
GI	none	Score	35

Exons	11739..11768, 11740..11862, 11782..11877, 11816..11887, 11823..11879, 11973..12182, 11974..12192, 13119..13265, 13125..13268, 13130..13270, 13133..13273, 14585..14713, 14612..14725, 14632..14724		
Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o2.tc	Method	TBLASTX:Cress
Start	11797	End	14826
GI	none	Score	107
Exons	11797..11877, 12061..12192, 12072..12191, 13113..13268, 13115..13270, 13125..13262, 13135..13272, 13136..13273, 14612..14821, 14632..14826		
Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o2.ts	Method	TBLASTX:Soybean
Start	11797	End	12189
GI	none	Score	76
Exons	11797..11877, 11974..12030, 12061..12189, 12064..12153, 12072..12188		
Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o3.ts	Method	TBLASTX:Soybean
Start	13113	End	14728
GI	none	Score	220
Exons	13113..13268, 13124..13273, 13127..13270, 14612..14728, 14632..14724		
Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o1.tw	Method	TBLASTX:Wheat
Start	14759	End	16084
GI	none	Score	195
Exons	14759..14884, 14759..14884, 15100..15288, 15100..15252, 15102..15287, 16033..16083, 16034..16084		
Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o3.tm	Method	TBLASTX:Maize
Start	15099	End	16349
GI	none	Score	310
Exons	15099..15287, 15100..15288, 15101..15289, 16033..16101, 16034..16102, 16045..16107, 16129..16338, 16131..16334, 16157..16336, 16158..16349		
Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o1.tc	Method	TBLASTX:Cress
Start	15100	End	16338

GI	none	Score	223
Exons	15100..15288, 15102..15287, 16033..16101, 16034..16102, 16126..16338, 16182..16337		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o1.ts	Method	TBLASTX:Soybean
Start	15244	End	16346
GI	none	Score	64
Exons	15244..15288, 16034..16102, 16129..16338, 16185..16346, 16185..16334		

Seq. No.	5154	Seq. ID	OJ990722_05.9A06.C10
Gene No.	10702	Strand	-
Start	16320	End	16849
Name	OJ990722_05.9A06.C10.o6.gs	Method	GENSCAN
Start	16320	End	16849
GI	none	Score	.69
Exons	16320..16501, 16722..16849		

Seq. No.	5155	Seq. ID	OJ990722_05.9A06.C11
Gene No.	10703	Strand	+
Start	605	End	847
Name	OJ990722_05.9A06.C11.o1.gp	Method	AAT/GAP
Start	605	End	847
GI	8022_1.R1084	Score	351
Exons	605..847		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5156	Seq. ID	OJ990722_05.9A06.C15
Gene No.	10704	Strand	+
Start	1	End	2058
Name	OJ990722_05.9A06.C15.o2.np	Method	AAT/NAP
Start	1	End	2058
GI	4680186	Score	149
Exons	1..35, 492..632, 1232..1299, 1953..2058		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5156	Seq. ID	OJ990722_05.9A06.C15
Gene No.	10704	Strand	+
Start	1	End	2058
Name	OJ990722_05.9A06.C15.o1.gs	Method	GENSCAN
Start	930	End	2046
GI	none	Score	.46
Exons	930..1091, 1681..1849, 1989..2046		

Seq. No.	5156	Seq. ID	OJ990722_05.9A06.C15
Gene No.	10705	Strand	+
Start	2394	End	2679
Name	OJ990722_05.9A06.C15.o3.np	Method	AAT/NAP
Start	2394	End	2679
GI	6069654	Score	142
Exons	2394..2679		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	5156	Seq. ID	OJ990722_05.9A06.C15
Gene No.	10706	Strand	-
Start	179	End	289
Name	OJ990722_05.9A06.C15.o1.np	Method	AAT/NAP
Start	179	End	289
GI	4539662	Score	62
Exons	179..289		
GI Descrip.	(AF061282) polyprotein [Sorghum bicolor]		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10707	Strand	+
Start	368	End	754
Name	OJ990722_05.9A06.C16.o1.gs	Method	GENSCAN
Start	368	End	754
GI	none	Score	.75
Exons	368..754		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10708	Strand	+
Start	6955	End	9319
Name	OJ990722_05.9A06.C16.o3.gs	Method	GENSCAN
Start	6955	End	9319
GI	none	Score	.94
Exons	6955..6976, 7133..8393, 8405..8717, 8744..9319		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10709	Strand	+
Start	17181	End	18612
Name	OJ990722_05.9A06.C16.o4.np	Method	AAT/NAP
Start	17181	End	18612
GI	6907088	Score	1242
Exons	17181..17318, 17494..17731, 18226..18612		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10709	Strand	+
Start	17181	End	18612
Name	OJ990722_05.9A06.C16.o1.gp	Method	AAT/GAP
Start	17992	End	18183
GI	5667165	Score	364
Exons	17992..18183		
GI Descrip.	5670155/gb|AF161269.1|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o3.np	Method	AAT/NAP
Start	466	End	18716
GI	3935164	Score	2221
Exons	466..568, 1988..3502, 3569..6218, 10138..10207, 18659..18716		
GI Descrip.	(AC004557) F17L21.7 [Arabidopsis thaliana]		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o1.np	Method	AAT/NAP

Start	1387	End	6219
GI	2586082	Score	4373
Exons	1387..1491, 1990..6219		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o1.tm	Method	TBLASTX:Maize
Start	1987	End	2365
GI	none	Score	103
Exons	1987..2229, 2005..2109, 2180..2230, 2231..2365, 2236..2364		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o1.ts	Method	TBLASTX:Soybean
Start	1999	End	2532
GI	none	Score	187
Exons	1999..2532, 2015..2335, 2402..2530		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o3.tc	Method	TBLASTX:Cress
Start	2008	End	2553
GI	none	Score	130
Exons	2008..2103, 2131..2259, 2269..2358, 2374..2553		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o2.gs	Method	GENSCAN
Start	2092	End	6213
GI	none	Score	.82
Exons	2092..2373, 2470..2589, 2701..2885, 3282..4688, 5166..6213		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o1.tw	Method	TBLASTX:Wheat
Start	2295	End	2733
GI	none	Score	58
Exons	2295..2342, 2296..2733, 2297..2725		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o3.tm	Method	TBLASTX:Maize
Start	2368	End	2599
GI	none	Score	185
Exons	2368..2598, 2405..2599		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o2.tm	Method	TBLASTX:Maize

Start	2668	End	3114
GI	none	Score	53
Exons	2668..3114, 2714..2761, 2819..3091		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o3.tw	Method	TBLASTX:Wheat
Start	2902	End	3247
GI	none	Score	83
Exons	2902..3246, 2938..3087, 3023..3088, 3149..3247		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o2.ts	Method	TBLASTX:Soybean
Start	2911	End	3429
GI	5509260	Score	48
Exons	2911..3429, 2924..2968, 3023..3277		
GI Descrip.	-		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o2.tc	Method	TBLASTX:Cress
Start	3028	End	3288
GI	none	Score	156
Exons	3028..3288, 3029..3283		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o7.tm	Method	TBLASTX:Maize
Start	3118	End	3367
GI	none	Score	136
Exons	3118..3366, 3119..3367		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o4.tw	Method	TBLASTX:Wheat
Start	4009	End	4378
GI	none	Score	98
Exons	4009..4377, 4022..4162, 4184..4378		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o1.tc	Method	TBLASTX:Cress
Start	4018	End	4482
GI	none	Score	103
Exons	4018..4482, 4123..4470		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o5.tm	Method	TBLASTX:Maize

Start	4036	End	4363
GI	none	Score	109
Exons	4036..4362, 4088..4363		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o3.ts	Method	TBLASTX:Soybean
Start	4039	End	4470
GI	none	Score	264
Exons	4039..4470		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o2.tw	Method	TBLASTX:Wheat
Start	4955	End	5325
GI	none	Score	229
Exons	4955..5308, 4960..5325		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o6.tm	Method	TBLASTX:Maize
Start	4960	End	5250
GI	none	Score	116
Exons	4960..5250, 4961..5245		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o5.tw	Method	TBLASTX:Wheat
Start	5566	End	5874
GI	none	Score	60
Exons	5566..5874, 5569..5808		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o4.tm	Method	TBLASTX:Maize
Start	5695	End	6123
GI	none	Score	159
Exons	5695..6000, 5696..6004, 6049..6123		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o5.gs	Method	GENSCAN
Start	12420	End	14056
GI	none	Score	.88
Exons	12420..12530, 13787..14056		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o6.gs	Method	GENSCAN
Start	14775	End	15334

GI	none	Score	.9
Exons	14775..14927, 14984..15015, 15271..15334		

Seq. No.	5157	Seq. ID	OJ990722_05.9A06.C16
Gene No.	10710	Strand	-
Start	466	End	18716
Name	OJ990722_05.9A06.C16.o7.gs	Method	GENSCAN
Start	16625	End	18446
GI	none	Score	.99
Exons	16625..16698, 18392..18446		

Seq. No.	5158	Seq. ID	OJ990722_05.9A06.C17
Gene No.	10711	Strand	+
Start	1172	End	2719
Name	OJ990722_05.9A06.C17.o1.gs	Method	GENSCAN
Start	1172	End	2719
GI	none	Score	.86
Exons	1172..1232, 1557..1659, 2224..2289, 2656..2719		

Seq. No.	5158	Seq. ID	OJ990722_05.9A06.C17
Gene No.	10711	Strand	+
Start	1172	End	2719
Name	OJ990722_05.9A06.C17.o1.gp	Method	AAT/GAP
Start	1436	End	1501
GI	4715947	Score	66
Exons	1436..1501		
GI Descrip.	2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]		

Seq. No.	5159	Seq. ID	OJ990722_05.9A06.C18
Gene No.	10712	Strand	+
Start	213	End	323
Name	OJ990722_05.9A06.C18.o1.gs	Method	GENSCAN
Start	213	End	323
GI	none	Score	.62
Exons	213..323		

Seq. No.	5160	Seq. ID	OJ990722_05.9A06.C19
Gene No.	10713	Strand	-
Start	484	End	493
Name	OJ990722_05.9A06.C19.o1.gs	Method	GENSCAN
Start	484	End	493
GI	none	Score	.47
Exons	484..493		

Seq. No.	5161	Seq. ID	OJ990722_05.9A06.C20
Gene No.	10714	Strand	-
Start	1	End	702
Name	OJ990722_05.9A06.C20.o1.np	Method	AAT/NAP
Start	1	End	702
GI	6907088	Score	328
Exons	1..102, 473..702		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5161	Seq. ID	OJ990722_05.9A06.C20
Gene No.	10714	Strand	-
Start	1	End	702
Name	OJ990722_05.9A06.C20.o1.gs	Method	GENSCAN
Start	359	End	702
GI	none	Score	.44
Exons	359..569, 662..702		

Seq. No.	5162	Seq. ID	OJ990722_05.9A06.C23
Gene No.	10715	Strand	+
Start	198	End	680
Name	OJ990722_05.9A06.C23.o1.gs	Method	GENSCAN
Start	198	End	680
GI	none	Score	.5
Exons	198..680		

Seq. No.	5163	Seq. ID	OJ990722_05.9A06.C24
Gene No.	10716	Strand	-
Start	57	End	114
Name	OJ990722_05.9A06.C24.o1.gs	Method	GENSCAN
Start	57	End	114
GI	none	Score	.84
Exons	57..114		

Seq. No.	5164	Seq. ID	OJ990612_45.9B12.C2
Gene No.	10717	Strand	-
Start	1	End	739
Name	OJ990612_45.9B12.C2.o1.gp	Method	AAT/GAP
Start	1	End	601
GI	31987_1.R1084	Score	1187
Exons	1..601		
GI Descrip.	'3063469 2.0e-25 (AC003981) F22O13.31 [Arabidopsis thaliana]'		

Seq. No.	5164	Seq. ID	OJ990612_45.9B12.C2
Gene No.	10717	Strand	-
Start	1	End	739
Name	OJ990612_45.9B12.C2.o1.np	Method	AAT/NAP
Start	1	End	739
GI	3063469	Score	161
Exons	1..366, 709..739		
GI Descrip.	(AC003981) F22O13.31 [Arabidopsis thaliana]		

Seq. No.	5164	Seq. ID	OJ990612_45.9B12.C2
Gene No.	10717	Strand	-
Start	1	End	739
Name	OJ990612_45.9B12.C2.o1.tm	Method	TBLASTX:Maize
Start	6	End	731
GI	none	Score	105
Exons	6..182, 11..97, 12..179, 160..231, 175..231, 177..299, 197..418, 226..603, 240..602, 705..731		

Seq. No.	5164	Seq. ID	OJ990612_45.9B12.C2
Gene No.	10717	Strand	-
Start	1	End	739
Name	OJ990612_45.9B12.C2.o1.gs	Method	GENSCAN
Start	71	End	604
GI	none	Score	.91

Exons 71..604

Seq. No. 5165 Seq. ID OJ990612_45.9B12.C3
Gene No. 10718 Strand +
Start 14690 End 17273
Name OJ990612_45.9B12.C3.o2.gs Method GENSCAN
Start 14690 End 17273
GI none Score .78
Exons 14690..14758, 14879..14956, 15486..15510, 16063..16280, 17067..17273

Seq. No. 5165 Seq. ID OJ990612_45.9B12.C3
Gene No. 10719 Strand +
Start 18858 End 26846
Name OJ990612_45.9B12.C3.o3.gs Method GENSCAN
Start 18858 End 26841
GI none Score .62
Exons 18858..18881, 18918..19060, 21201..21259, 22596..22952, 22963..23078, 23246..23312, 23336..23536, 23596..23948, 24346..24495, 24691..25001, 25125..25333, 25987..26101, 26424..26841

Seq. No. 5165 Seq. ID OJ990612_45.9B12.C3
Gene No. 10719 Strand +
Start 18858 End 26846
Name OJ990612_45.9B12.C3.o10.np Method AAT/NAP
Start 21314 End 23084
GI 5922620 Score 182
Exons 21314..21402, 22952..23084
GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No. 5165 Seq. ID OJ990612_45.9B12.C3
Gene No. 10719 Strand +
Start 18858 End 26846
Name OJ990612_45.9B12.C3.o8.gp Method AAT/GAP
Start 22409 End 22507
GI 5867_1.R1084 Score 119
Exons 22409..22507
GI Descrip. '464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639) ubiquitin conjugating enzyme [Arabidopsis'

Seq. No. 5165 Seq. ID OJ990612_45.9B12.C3
Gene No. 10719 Strand +
Start 18858 End 26846
Name OJ990612_45.9B12.C3.o12.np Method AAT/NAP
Start 23361 End 26846
GI 5922620 Score 495
Exons 23361..23399, 23442..23519, 23961..24018, 24890..24923,

25086..25402, 26630..26846
GI Descrip. (AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10720	Strand	+
Start	28891	End	32974
Name	OJ990612_45.9B12.C3.o4.gs	Method	GENSCAN
Start	28891	End	30935
GI	none	Score	.52
Exons	28891..28951, 29114..29239, 29661..30077, 30145..30342, 30805..30935		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10720	Strand	+
Start	28891	End	32974
Name	OJ990612_45.9B12.C3.o9.gp	Method	AAT/GAP
Start	29777	End	32974
GI	uC-osroM202018c07b1	Score	1033
Exons	29777..30254, 32911..32974		

GI Descrip. '3130064/emb|CAA06835| 1.0e-51 (AJ006055) glutathione reductase [Zea mays]'

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10721	Strand	+
Start	38973	End	39440
Name	OJ990612_45.9B12.C3.o6.gs	Method	GENSCAN
Start	38973	End	39440
GI	none	Score	.64
Exons	38973..39113, 39174..39440		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10722	Strand	+
Start	40547	End	45205
Name	OJ990612_45.9B12.C3.o13.np	Method	AAT/NAP
Start	40211	End	43558
GI	2425107	Score	1731
Exons	40211..40458, 40500..40653, 41238..41463, 41569..41847, 41947..42123, 42228..42281, 42429..42577, 42992..43055, 43129..43299, 43383..43558		

GI Descrip. (AF019907) glutathione reductase (NADPH) [Vitis vinifera]

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10722	Strand	+
Start	40547	End	45205
Name	OJ990612_45.9B12.C3.o7.gs	Method	GENSCAN
Start	40547	End	45205
GI	none	Score	.75
Exons	40547..40653, 41238..41463, 41569..41847, 41947..42123, 42228..42281, 42429..42577, 42992..43055, 43129..43299, 43383..43520, 44142..44273, 45080..45205		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10722	Strand	+

Start	40547	End	45205
Name	OJ990612_45.9B12.C3.o10.gp	Method	AAT/GAP
Start	41952	End	42598
GI	2310074	Score	681
Exons	41952..42123, 42228..42281, 42429..42598		
GI Descrip.	3130064/emb|CAA06835| 1.0e-51 (AJ006055) glutathione reductase [Zea mays]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10723	Strand	+
Start	46643	End	49012
Name	OJ990612_45.9B12.C3.o14.np	Method	AAT/NAP
Start	46619	End	49009
GI	3193284	Score	1650
Exons	46619..47560, 47612..47814, 47863..49009		
GI Descrip.	(AF069298) No definition line found [Arabidopsis thaliana]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10723	Strand	+
Start	46643	End	49012
Name	OJ990612_45.9B12.C3.o8.gs	Method	GENSCAN
Start	46643	End	49012
GI	none	Score	1
Exons	46643..49012		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10723	Strand	+
Start	46643	End	49012
Name	OJ990612_45.9B12.C3.o11.gp	Method	AAT/GAP
Start	47242	End	47979
GI	31041_1.R1084	Score	1442
Exons	47242..47979		
GI Descrip.	'3193284 1.0e-52 (AF069298) No definition line found [Arabidopsis thaliana]'		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10723	Strand	+
Start	46643	End	49012
Name	OJ990612_45.9B12.C3.o12.gp	Method	AAT/GAP
Start	47968	End	48493
GI	LIB3434-015-P1-K1-G9	Score	983
Exons	47968..48493		
GI Descrip.	'3193284 2.0e-36 (AF069298) No definition line found [Arabidopsis thaliana]'		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10724	Strand	+
Start	71404	End	74793
Name	OJ990612_45.9B12.C3.o11.gs	Method	GENSCAN
Start	71404	End	74793
GI	none	Score	.81
Exons	71404..71568, 72140..72204, 72811..72907, 73020..73148, 73429..73537, 73617..73761, 73953..73995, 74388..74561, 74713..74793		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10724	Strand	+

Start	71404	End	74793
Name	OJ990612_45.9B12.C3.o19.np	Method	AAT/NAP
Start	72116	End	73775
GI	1176814	Score	308
Exons	72116..72204, 72811..72907, 73020..73148, 73429..73537, 73617..73775		
GI Descrip.	HYPOTHETICAL 31.3 KD PROTEIN IN AGAI-MTR INTERGENIC REGION (F286) gi|606086|gb|AAA57949.1| (U18997) ORF_f286 [Escherichia coli] gi|1789535 (AE000395) orf, hypothetical protein [Escherichia coli]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10725	Strand	+
Start	79080	End	79212
Name	OJ990612_45.9B12.C3.o17.gp	Method	AAT/GAP
Start	79080	End	79212
GI	35479_1.R1084	Score	231
Exons	79080..79212		
GI Descrip.	'2982431/emb|CAA18239.1| 2.0e-31 (AL022224) leucine rich repeat-like protein [Arabidopsis thaliana]'		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10726	Strand	-
Start	475	End	566
Name	OJ990612_45.9B12.C3.o1.np	Method	AAT/NAP
Start	475	End	566
GI	5852084	Score	79
Exons	475..566		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o2.gp	Method	AAT/GAP
Start	1257	End	2050
GI	none	Score	702
Exons	1257..1505, 1659..1735, 1984..2050		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o1.gs	Method	GENSCAN
Start	1418	End	13469
GI	none	Score	.82
Exons	1418..1505, 1659..1735, 1984..2052, 2230..2427, 2545..2667, 2748..2808, 2887..3055, 3139..3217, 3329..3453, 3546..3628, 3714..3895, 3943..4138, 4175..4252, 4414..4653, 4746..4967, 5058..5367, 5460..5583, 8066..8305, 9129..9251, 9358..9418, 9560..9728, 10170..10248, 10354..10475, 10561..10643, 10885..10930, 10949..10985, 11226..11361, 11861..11935, 12259..12483, 12566..12787, 12931..13240, 13310..13469		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o2.np	Method	AAT/NAP
Start	1442	End	5227

GI	1703089	Score	366
Exons	1442..1505, 1659..1735, 1984..2052, 2230..2427, 2545..2667, 2748..2808, 2887..3130, 3365..3453, 3546..3628, 3714..3840, 4244..4653, 4746..4967, 5058..5227		
GI Descrip.	ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE) (DNF15S2 PROTEIN) gi|2118063|pir||JC4655 acylaminoacyl-peptidase (EC 3.4.19.1) - human gi|556514|dbj|BAA07476| (D38441) acylamino acid-releasing enzyme [Homo sapiens]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o3.np	Method	AAT/NAP
Start	1442	End	6255
GI	1619608	Score	310
Exons	1442..1505, 1659..1735, 1984..2052, 2230..2427, 2545..2667, 2748..2808, 2887..3130, 3365..3453, 3546..3628, 3714..3840, 4244..4653, 4746..4967, 5058..5083, 6200..6255		
GI Descrip.	(X14915) acyl-peptide hydrolase [Rattus norvegicus]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o3.gp	Method	AAT/GAP
Start	2750	End	3443
GI	17463_1.R1084	Score	755
Exons	2750..2808, 2887..3055, 3139..3217, 3329..3443		
GI Descrip.	'1703089/sp|P13798|ACPH_HUMAN 2.0e-10 ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE) (DNF15S2 PROTEIN) >gi_2118063_pir__JC4655 acylaminoacyl-peptidase (EC 3.4.19.1) - human >gi_556514_dbj_BAA07476_ (D38441) acylamino acid-releasing enzyme [Homo sapiens]'		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o4.np	Method	AAT/NAP
Start	3148	End	5610
GI	2244813	Score	832
Exons	3148..3217, 3335..3453, 3546..3628, 4175..4236, 4422..4653, 4746..4967, 5058..5360, 5459..5610		
GI Descrip.	(Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o5.np	Method	AAT/NAP
Start	3235	End	5610
GI	2244813	Score	800
Exons	3235..3453, 3546..3628, 4175..4236, 4422..4653, 4746..4967, 5058..5360, 5459..5610		
GI Descrip.	(Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o6.np	Method	AAT/NAP
Start	3333	End	5610
GI	2244813	Score	818
Exons	3333..3453, 3546..3628, 4175..4236, 4422..4653, 4746..4967, 5058..5360, 5459..5610		
GI Descrip.	(Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o4.gp	Method	AAT/GAP
Start	7186	End	8263
GI	13056_1.R1084	Score	1115
Exons	7186..7453, 7551..7627, 7867..7935, 8066..8263		
GI Descrip.	'113178/sp|P13676|ACPH_RAT 9.0e-24 ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE) >gi_91923_pir__S07624 acylaminoacyl-peptidase (EC 3.4.19.1) - rat >gi_202932 (J04733) acyl-peptide hydrolase [Rattus norvegicus]'		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o7.np	Method	AAT/NAP
Start	7390	End	15710
GI	113178	Score	414
Exons	7390..7453, 7551..7627, 7867..7935, 8066..8263, 9129..9251, 9358..9418, 9560..9728, 10389..10643, 10729..10930, 12199..12483, 12566..12629, 15625..15710		
GI Descrip.	ACYLAMINO-ACID-RELEASING ENZYME (ACYL-PEPTIDE HYDROLASE) (APH) (ACYLAMINOACYL-PEPTIDASE) gi|91923|pir||S07624 acylaminoacyl-peptidase (EC 3.4.19.1) - rat gi|202932 (J04733) acyl-peptide hydrolase [Rattus norvegicus]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o8.np	Method	AAT/NAP
Start	9590	End	13460
GI	2244813	Score	926
Exons	9590..9629, 10166..10248, 10354..10475, 10561..10643, 11861..11929, 12271..12483, 12566..12787, 12931..13232, 13308..13460		
GI Descrip.	(Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o5.gp	Method	AAT/GAP
Start	10338	End	12780
GI	25148_1.R1084	Score	1832
Exons	10338..10475, 10561..10643, 10729..10880, 11226..11361,		

	11861..11935, 12259..12483, 12566..12780		
GI Descrip.	'2244813/emb|CAB10236.1| 2.0e-41 (Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]'		
Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o6.gp	Method	AAT/GAP
Start	13057	End	17223
GI	uC-osf1M202097b03b1	Score	852
Exons	13057..13240, 13310..13500, 17122..17223		
GI Descrip.	'2244813/emb|CAB10236.1| 4.0e-15 (Z97336) acylaminoacyl-peptidase like protein [Arabidopsis thaliana]'		
Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10727	Strand	-
Start	1418	End	17223
Name	OJ990612_45.9B12.C3.o9.np	Method	AAT/NAP
Start	14394	End	14616
GI	132675	Score	202
Exons	14394..14616		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L14 gi|71222|pir||R5NT14 ribosomal protein L14 - common tobacco chloroplast gi|11864|emb|CAA77379| (Z00044) ribosomal protein L14 [Nicotiana tabacum] gi|225233|prf||1211235BQ ribosomal protein L14 [Nicotiana tabacum]		
Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10728	Strand	-
Start	20589	End	21011
Name	OJ990612_45.9B12.C3.o7.gp	Method	AAT/GAP
Start	20589	End	21011
GI	LIB3477-003-P1-K1-E9	Score	127
Exons	20589..20661, 20989..21011		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10729	Strand	-
Start	23223	End	24567
Name	OJ990612_45.9B12.C3.o11.np	Method	AAT/NAP
Start	23223	End	24567
GI	6630699	Score	83
Exons	23223..23305, 24519..24567		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10730	Strand	-
Start	35350	End	36957
Name	OJ990612_45.9B12.C3.o5.gs	Method	GENSCAN
Start	35350	End	36957
GI	none	Score	.47
Exons	35350..35535, 36522..36686, 36730..36957		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10731	Strand	-
Start	48764	End	49285
Name	OJ990612_45.9B12.C3.o13.gp	Method	AAT/GAP
Start	48764	End	49285
GI	none	Score	980
Exons	48764..49285		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10732	Strand	-
Start	49539	End	52130
Name	OJ990612_45.9B12.C3.o9.gs	Method	GENSCAN
Start	49539	End	51545
GI	none	Score	.59
Exons	49539..49922, 50002..50217, 50291..50421, 50513..50800, 51467..51545		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10732	Strand	-
Start	49539	End	52130
Name	OJ990612_45.9B12.C3.o15.np	Method	AAT/NAP
Start	49542	End	52130
GI	6579208	Score	402
Exons	49542..49922, 50002..50217, 50291..50421, 50513..50800, 52027..52130		
GI Descrip.	(AC011438) T23G18.9 [Arabidopsis thaliana]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o1.tw	Method	TBLASTX:Wheat
Start	1443	End	8226
GI	none	Score	101
Exons	1443..1511, 1448..1513, 1670..1738, 1674..1736, 1984..2055, 1985..2053, 2224..2382, 2227..2388, 2228..2389, 7363..7452, 7377..7451, 7385..7456, 7388..7456, 7390..7461, 7536..7631, 7545..7628, 7550..7642, 7550..7642, 7867..7938, 7868..7936, 7869..7955, 8022..8225, 8063..8224, 8092..8226		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o2.tm	Method	TBLASTX:Maize
Start	1448	End	10401
GI	none	Score	87
Exons	1448..1504, 1449..1505, 1634..1738, 1665..1736, 1984..2049, 1984..2055, 1985..2053, 2213..2431, 2227..2430, 2240..2431, 2543..2668, 2545..2670, 2546..2668, 2748..2810, 2752..2820, 2856..3020, 2886..3023, 2887..3021, 3010..3060, 3018..3056, 3137..3220, 3138..3209, 3326..3352, 7393..7452, 7400..7453, 7553..7642, 7563..7631, 7867..7938, 8063..8266, 8064..8264, 9124..9207, 9129..9254, 9133..9252, 9358..9420, 9362..9418, 9559..9696, 9562..9675, 9563..9676, 9692..9730, 9694..9738, 10168..10242, 10348..10401		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-

Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o13.tm	Method	TBLASTX:Maize
Start	3557	End	10881
GI	none	Score	46
Exons	3557..3616, 3558..3617, 3565..3630, 3711..3863, 3714..3863, 3716..3865, 3925..3990, 10572..10646, 10574..10645, 10585..10650, 10723..10881, 10731..10880		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o6.ts	Method	TBLASTX:Soybean
Start	3806	End	11367
GI	none	Score	35
Exons	3806..3865, 3919..4023, 4005..4028, 4030..4083, 4034..4078, 4175..4225, 4177..4224, 10821..10880, 11248..11304, 11250..11303, 11254..11307, 11310..11366, 11314..11364, 11320..11367		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o12.tm	Method	TBLASTX:Maize
Start	4473	End	12684
GI	none	Score	56
Exons	4473..4565, 4473..4559, 4474..4566, 4574..4618, 4574..4654, 4576..4656, 4578..4661, 4748..4804, 4778..4861, 12315..12482, 12315..12485, 12319..12489, 12566..12610, 12566..12613, 12568..12669, 12571..12612, 12628..12684, 12656..12682		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o3.tc	Method	TBLASTX:Cress
Start	4590	End	13010
GI	none	Score	65
Exons	4590..4661, 4757..4873, 4853..4960, 4884..4961, 5057..5137, 12402..12485, 12577..12693, 12673..12783, 12930..13010		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o4.tm	Method	TBLASTX:Maize
Start	5055	End	13503
GI	none	Score	90
Exons	5055..5366, 5056..5256, 5057..5368, 5058..5372, 5461..5586, 12929..13219, 12930..13223, 12930..13241, 12931..13245, 13310..13489, 13314..13472, 13314..13496, 13315..13503		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o2.tw	Method	TBLASTX:Wheat
Start	9635	End	42470
GI	none	Score	165
Exons	9635..9685, 41658..41783, 41659..41850, 41947..42054, 42043..42165, 42429..42470		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o4.tc	Method	TBLASTX:Cress
Start	10821	End	47035
GI	none	Score	67
Exons	10821..10928, 46730..47035		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o7.ts	Method	TBLASTX:Soybean
Start	14395	End	14605
GI	none	Score	69
Exons	14395..14442, 14395..14451, 14396..14452, 14444..14572, 14447..14560, 14564..14605, 14569..14604		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o16.tm	Method	TBLASTX:Maize
Start	40502	End	40651
GI	none	Score	203
Exons	40502..40651, 40516..40545, 40597..40650		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o1.tc	Method	TBLASTX:Cress
Start	40505	End	43516
GI	none	Score	100
Exons	40505..40591, 40516..40545, 40568..40654, 40594..40659, 41235..41465, 41238..41399, 41239..41466, 41566..41871, 41566..41847, 41583..41891, 41937..42122, 41947..42123, 42224..42307, 42228..42314, 42428..42577, 42429..42602, 42986..43051, 42987..43070, 43116..43295, 43129..43299, 43380..43511, 43382..43516		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o1.ts	Method	TBLASTX:Soybean
Start	40505	End	43520
GI	none	Score	96
Exons	40505..40573, 40568..40639, 41235..41462, 41238..41360, 41239..41466, 41239..41466, 41566..41871, 41566..41694, 41583..41891, 41753..41893, 41937..42119, 41947..42123, 42227..42316, 42228..42314, 42426..42575, 42428..42589, 42428..42577, 42429..42602, 42986..43051, 42987..43070, 43116..43292, 43129..43299, 43138..43299, 43380..43520, 43380..43496		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o3.tm	Method	TBLASTX:Maize

Start	41355	End	42087
GI	none	Score	144
Exons	41355..41462, 41356..41466, 41566..41871, 41566..41856, 41583..41879, 41937..42086, 41945..42085, 41947..42087		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o7.tm	Method	TBLASTX:Maize
Start	42088	End	43523
GI	none	Score	56
Exons	42088..42123, 42088..42117, 42221..42316, 42228..42314, 42428..42577, 42428..42577, 42429..42602, 42429..42584, 42965..43051, 42987..43070, 42987..43082, 43116..43298, 43129..43299, 43138..43317, 43377..43490, 43379..43507, 43380..43523, 43382..43522		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o9.tm	Method	TBLASTX:Maize
Start	46634	End	47074
GI	none	Score	44
Exons	46634..46666, 46689..46739, 46694..46963, 46730..47074, 46794..47063		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o4.ts	Method	TBLASTX:Soybean
Start	46700	End	47059
GI	none	Score	249
Exons	46700..46963, 46730..47059		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o8.tm	Method	TBLASTX:Maize
Start	47194	End	47563
GI	none	Score	431
Exons	47194..47508, 47195..47563, 47201..47563		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o2.tc	Method	TBLASTX:Cress
Start	47552	End	48037
GI	none	Score	515
Exons	47552..48037, 47554..47988		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o5.tm	Method	TBLASTX:Maize
Start	47566	End	48081
GI	none	Score	633
Exons	47566..48081, 47567..48079, 47572..48081		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o2.ts	Method	TBLASTX:Soybean
Start	47804	End	48894
GI	none	Score	107
Exons	47804..47908, 47815..47910, 47933..48382, 47935..47979, 47936..48085, 48013..48201, 48235..48315, 48365..48715, 48409..48708, 48416..48712, 48770..48889, 48784..48894		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o6.tm	Method	TBLASTX:Maize
Start	48083	End	49012
GI	none	Score	79
Exons	48083..48211, 48206..48334, 48365..48709, 48418..48717, 48770..49012, 48772..49008		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o17.tm	Method	TBLASTX:Maize
Start	49539	End	49841
GI	none	Score	48
Exons	49539..49571, 49539..49577, 49582..49686, 49596..49691, 49700..49738, 49701..49745, 49701..49739, 49724..49828, 49734..49841, 49747..49836		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o6.tc	Method	TBLASTX:Cress
Start	49684	End	51107
GI	none	Score	67
Exons	49684..49848, 49698..49850, 50020..50226, 50282..50413, 51054..51107		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o3.ts	Method	TBLASTX:Soybean
Start	50014	End	50675
GI	none	Score	109
Exons	50014..50064, 50074..50226, 50282..50401, 50511..50675		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o14.gp	Method	AAT/GAP
Start	53365	End	54596
GI	none	Score	1253
Exons	53365..53767, 54268..54596		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-

Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o16.np	Method	AAT/NAP
Start	54288	End	59544
GI	3063469	Score	413
Exons	54288..54497, 54675..55376, 59481..59544		
GI Descrip.	(AC003981) F22O13.31 [Arabidopsis thaliana]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o10.gs	Method	GENSCAN
Start	54303	End	69879
GI	none	Score	.52
Exons	54303..55603, 55971..56124, 56664..56716, 57358..57581, 57667..57698, 58230..58421, 58565..59272, 59382..59533, 61096..61327, 61874..62207, 62941..63122, 63512..64105, 64964..65015, 66903..67070, 67325..67577, 67788..68039, 69798..69879		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o5.tc	Method	TBLASTX:Cress
Start	54306	End	55106
GI	none	Score	80
Exons	54306..54491, 54316..54468, 54843..55106, 54897..55091		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	54310	End	55730
GI	none	Score	133
Exons	54310..54477, 54311..54478, 54318..54497, 54322..54483, 54348..54485, 54615..54767, 54626..54760, 54639..54767, 54834..55178, 54837..55181, 55159..55230, 55174..55230, 55176..55298, 55196..55417, 55225..55602, 55239..55601, 55704..55730		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o15.gp	Method	AAT/GAP
Start	54794	End	55600
GI	31987_1.R1084	Score	1582
Exons	54794..55600		
GI Descrip.	'3063469 2.0e-25 (AC003981) F22O13.31 [Arabidopsis thaliana]'		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o5.ts	Method	TBLASTX:Soybean
Start	54846	End	55106
GI	none	Score	124
Exons	54846..55106, 54894..55100		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3

Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o16.gp	Method	AAT/GAP
Start	55717	End	56082
GI	none	Score	517
Exons	55717..56082		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o10.tm	Method	TBLASTX:Maize
Start	55798	End	56209
GI	none	Score	49
Exons	55798..55833, 55800..55841, 55857..55991, 55879..55992, 55880..56005, 55975..56208, 55995..56207, 55997..56209		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o17.np	Method	AAT/NAP
Start	56957	End	59533
GI	4538929	Score	80
Exons	56957..56975, 58230..58475, 58986..59187, 59387..59533		
GI Descrip.	(AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o14.tm	Method	TBLASTX:Maize
Start	58871	End	59283
GI	none	Score	78
Exons	58871..58933, 58872..58919, 58873..58932, 58939..58980, 58961..59008, 58961..59029, 59009..59122, 59020..59118, 59023..59046, 59028..59123, 59119..59283, 59150..59275		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10733	Strand	-
Start	54303	End	69879
Name	OJ990612_45.9B12.C3.o18.np	Method	AAT/NAP
Start	59749	End	62961
GI	4538929	Score	194
Exons	59749..59772, 61064..61327, 61874..62077, 62814..62961		
GI Descrip.	(AL049483) putative nucleic acid binding protein [Arabidopsis thaliana]		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3
Gene No.	10734	Strand	
Start	72139	End	73150
Name	OJ990612_45.9B12.C3.o11.tm	Method	TBLASTX:Maize
Start	72139	End	73150
GI	none	Score	103
Exons	72139..72204, 72140..72205, 72140..72205, 72805..72906, 72805..72912, 72809..72913, 72809..72928, 72936..72983, 73020..73148, 73049..73150, 73061..73147		

Seq. No.	5165	Seq. ID	OJ990612_45.9B12.C3

Gene No.	10735	Strand	
Start	73619	End	74498
Name	OJ990612_45.9B12.C3.o15.tm	Method	TBLASTX:Maize
Start	73619	End	74498
GI	none	Score	216
Exons	73619..73762, 73620..73757, 73621..73761, 73951..73995, 74387..74497, 74387..74497, 74388..74498		

Seq. No.	5166	Seq. ID	OJ990612_45.9B12.C4
Gene No.	10736	Strand	+
Start	1	End	170
Name	OJ990612_45.9B12.C4.o1.np	Method	AAT/NAP
Start	1	End	170
GI	3152583	Score	102
Exons	1..170		
GI Descrip.	(AC002986) Contains similarity to inhibitor of apoptosis protein gb|U45881 from D. melanogaster. [Arabidopsis thaliana]		

Seq. No.	5166	Seq. ID	OJ990612_45.9B12.C4
Gene No.	10737	Strand	+
Start	92	End	283
Name	OJ990612_45.9B12.C4.o1.gs	Method	GENSCAN
Start	92	End	283
GI	none	Score	.52
Exons	92..211, 224..283		

Seq. No.	5166	Seq. ID	OJ990612_45.9B12.C4
Gene No.	10738	Strand	-
Start	914	End	1321
Name	OJ990612_45.9B12.C4.o2.gs	Method	GENSCAN
Start	914	End	1321
GI	none	Score	.98
Exons	914..1321		

Seq. No.	5167	Seq. ID	OJ990612_45.9B12.C5
Gene No.	10739	Strand	+
Start	1520	End	14700
Name	OJ990612_45.9B12.C5.o1.gs	Method	GENSCAN
Start	1520	End	12880
GI	none	Score	.41
Exons	1520..1565, 2221..2300, 3444..3564, 4643..4857, 5023..5400, 5518..5696, 6331..6417, 10558..10687, 12764..12880		

Seq. No.	5167	Seq. ID	OJ990612_45.9B12.C5
Gene No.	10739	Strand	+
Start	1520	End	14700
Name	OJ990612_45.9B12.C5.o3.np	Method	AAT/NAP
Start	5194	End	14700
GI	6498458	Score	52
Exons	5194..5357, 11514..11632, 13402..13557, 14663..14700		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	5167	Seq. ID	OJ990612_45.9B12.C5
Gene No.	10740	Strand	-
Start	1274	End	1713
Name	OJ990612_45.9B12.C5.o1.np	Method	AAT/NAP
Start	1274	End	1713

GI	6539570	Score	164
Exons	1274..1360, 1520..1713		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	5167	Seq. ID	OJ990612_45.9B12.C5
Gene No.	10741	Strand	-
Start	1847	End	1929
Name	OJ990612_45.9B12.C5.o2.np	Method	AAT/NAP
Start	1847	End	1929
GI	6630699	Score	84
Exons	1847..1929		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5167	Seq. ID	OJ990612_45.9B12.C5
Gene No.	10742	Strand	-
Start	13167	End	13604
Name	OJ990612_45.9B12.C5.o2.gs	Method	GENSCAN
Start	13167	End	13604
GI	none	Score	.69
Exons	13167..13604		

Seq. No.	5168	Seq. ID	OJ990612_45.9B12.C6
Gene No.	10743	Strand	+
Start	136	End	332
Name	OJ990612_45.9B12.C6.o1.gs	Method	GENSCAN
Start	136	End	318
GI	none	Score	.85
Exons	136..318		

Seq. No.	5168	Seq. ID	OJ990612_45.9B12.C6
Gene No.	10743	Strand	+
Start	136	End	332
Name	OJ990612_45.9B12.C6.o1.gp	Method	AAT/GAP
Start	139	End	332
GI	31987_1.R1084	Score	380
Exons	139..332		
GI Descrip.	'3063469 2.0e-25 (AC003981) F22O13.31 [Arabidopsis thaliana]'		

Seq. No.	5169	Seq. ID	OJ990612_45.9B12.C7
Gene No.	10744	Strand	+
Start	297	End	377
Name	OJ990612_45.9B12.C7.o1.gs	Method	GENSCAN
Start	297	End	377
GI	none	Score	.82
Exons	297..377		

Seq. No.	5170	Seq. ID	OJ990612_45.9B12.C10
Gene No.	10745	Strand	-
Start	1	End	330
Name	OJ990612_45.9B12.C10.o1.np	Method	AAT/NAP
Start	1	End	330
GI	2498930	Score	214
Exons	1..101, 269..330		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	5170	Seq. ID	OJ990612_45.9B12.C10
Gene No.	10745	Strand	-
Start	1	End	330
Name	OJ990612_45.9B12.C10.o1.gs	Method	GENSCAN
Start	10	End	328
GI	none	Score	.74
Exons	10..101, 269..328		

Seq. No.	5171	Seq. ID	OJ990612_44.9B05.C1
Gene No.	10746	Strand	+
Start	491	End	755
Name	OJ990612_44.9B05.C1.o1.np	Method	AAT/NAP
Start	491	End	755
GI	2498930	Score	92
Exons	491..551, 719..755		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	5171	Seq. ID	OJ990612_44.9B05.C1
Gene No.	10746	Strand	+
Start	491	End	755
Name	OJ990612_44.9B05.C1.o1.gs	Method	GENSCAN
Start	492	End	551
GI	none	Score	.94
Exons	492..551		

Seq. No.	5172	Seq. ID	OJ990612_44.9B05.C2
Gene No.	10747	Strand	-
Start	3433	End	3617
Name	OJ990612_44.9B05.C2.o2.gs	Method	GENSCAN
Start	3433	End	3617
GI	none	Score	.41
Exons	3433..3617		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10748	Strand	+
Start	2	End	1103
Name	OJ990612_44.9B05.C3.o1.gs	Method	GENSCAN
Start	2	End	1103
GI	none	Score	.5
Exons	2..68, 1036..1103		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o1.np	Method	AAT/NAP
Start	285	End	4463
GI	4234852	Score	4162
Exons	285..4260, 4303..4463		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o3.tw	Method	TBLASTX:Wheat
Start	336	End	728

GI	none	Score	89
Exons	336..602, 600..728, 601..717		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o4.ts	Method	TBLASTX:Soybean
Start	339	End	913
GI	none	Score	59
Exons	339..521, 618..719, 622..723, 734..913		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	803	End	1228
GI	none	Score	111
Exons	803..1099, 804..959, 1073..1228		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	899	End	1679
GI	none	Score	132
Exons	899..1348, 903..1319, 1325..1678, 1332..1679, 1334..1678		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	1370	End	1807
GI	5509260	Score	138
Exons	1370..1807, 1446..1718		
GI Descrip.	-		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	1460	End	1720
GI	none	Score	106
Exons	1460..1720, 1482..1718		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o3.tm	Method	TBLASTX:Maize
Start	1499	End	1807
GI	none	Score	125
Exons	1499..1807, 1503..1799		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o3.ts	Method	TBLASTX:Soybean
Start	2318	End	2668

GI	none	Score	151
Exons	2318..2491, 2495..2668		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o2.tw	Method	TBLASTX:Wheat
Start	2321	End	2981
GI	none	Score	36
Exons	2321..2419, 2346..2420, 2399..2668, 2430..2669, 2735..2953, 2742..2981, 2743..2967		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o4.tm	Method	TBLASTX:Maize
Start	2510	End	2966
GI	none	Score	123
Exons	2510..2668, 2742..2966		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o2.ts	Method	TBLASTX:Soybean
Start	2757	End	3143
GI	none	Score	113
Exons	2757..3143, 2926..3132		

Seq. No.	5173	Seq. ID	OJ990612_44.9B05.C3
Gene No.	10749	Strand	-
Start	285	End	4463
Name	OJ990612_44.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	3421	End	4371
GI	none	Score	58
Exons	3421..3513, 3463..3513, 3618..3707, 3637..3678, 3792..4370, 3802..4266, 3810..4331, 4288..4371		

Seq. No.	5174	Seq. ID	OJ990612_44.9B05.C4
Gene No.	10750	Strand	+
Start	135	End	312
Name	OJ990612_44.9B05.C4.o1.gs	Method	GENSCAN
Start	135	End	312
GI	none	Score	.65
Exons	135..204, 266..312		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10751	Strand	+
Start	11698	End	23278
Name	OJ990612_44.9B05.C5.o2.np	Method	AAT/NAP
Start	11679	End	23278
GI	6539570	Score	181
Exons	11679..11872, 12023..12093, 21126..21298, 21435..21530, 21684..22000, 23147..23278		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10751	Strand	+

Start	11698	End	23278
Name	OJ990612_44.9B05.C5.o3.gs	Method	GENSCAN
Start	11698	End	12676
GI	none	Score	.71
Exons	11698..11734, 12347..12396, 12572..12676		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10752	Strand	-
Start	4558	End	7959
Name	OJ990612_44.9B05.C5.o1.gp	Method	AAT/GAP
Start	4558	End	5513
GI	LIB3433-060-P1-K1-E11	Score	650
Exons	4558..4782, 5353..5513		
GI Descrip.	'4768916/gb|AAD29679.1|AF133209_1 9.0e-22 (AF133209) CLC-Nt2 protein [Nicotiana tabacum]'		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10752	Strand	-
Start	4558	End	7959
Name	OJ990612_44.9B05.C5.o1.np	Method	AAT/NAP
Start	4676	End	7929
GI	4768916	Score	2589
Exons	4676..4782, 5353..7013, 7128..7305, 7390..7590, 7748..7929		
GI Descrip.	(AF133209) CLC-Nt2 protein [Nicotiana tabacum]		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10752	Strand	-
Start	4558	End	7959
Name	OJ990612_44.9B05.C5.o2.gs	Method	GENSCAN
Start	5275	End	7959
GI	none	Score	.78
Exons	5275..7002, 7128..7384, 7391..7590, 7748..7959		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	4684	End	5716
GI	none	Score	133
Exons	4684..4785, 4688..4783, 4693..4788, 5347..5520, 5353..5424, 5354..5491, 5512..5715, 5564..5716		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	4696	End	7876
GI	none	Score	80
Exons	4696..4776, 4715..4783, 5362..5679, 5369..5680, 5692..6537, 5693..6595, 6583..6873, 6668..6841, 6915..7016, 6922..7014, 7125..7307, 7129..7314, 7419..7589, 7432..7590, 7747..7866, 7748..7876		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o5.ts	Method	TBLASTX:Soybean

Start	5359	End	5529
GI	none	Score	82
Exons	5359..5529, 5360..5485		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	5545	End	6126
GI	none	Score	97
Exons	5545..5679, 5558..5776, 5692..6126, 5693..6064		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o2.tw	Method	TBLASTX:Wheat
Start	5608	End	5947
GI	none	Score	54
Exons	5608..5670, 5624..5701, 5686..5775, 5791..5946, 5798..5947		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	5936	End	6873
GI	none	Score	239
Exons	5936..6409, 5980..6873, 6677..6841		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o3.ts	Method	TBLASTX:Soybean
Start	6178	End	6433
GI	none	Score	180
Exons	6178..6417, 6182..6433		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	6915	End	7295
GI	none	Score	111
Exons	6915..7016, 6916..7014, 7123..7251, 7125..7295		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o4.tm	Method	TBLASTX:Maize
Start	7153	End	7839
GI	none	Score	91
Exons	7153..7308, 7167..7307, 7395..7589, 7420..7590, 7744..7839, 7747..7839		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o3.tm	Method	TBLASTX:Maize

Start	20329	End	20619
GI	none	Score	248
Exons	20329..20619, 20373..20618		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o4.ts	Method	TBLASTX:Soybean
Start	20376	End	20619
GI	none	Score	125
Exons	20376..20618, 20383..20520, 20406..20537, 20599..20619		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	20382	End	20613
GI	none	Score	194
Exons	20382..20534, 20382..20612, 20383..20613		

Seq. No.	5175	Seq. ID	OJ990612_44.9B05.C5
Gene No.	10753	Strand	-
Start	22855	End	23375
Name	OJ990612_44.9B05.C5.o5.gs	Method	GENSCAN
Start	22855	End	23375
GI	none	Score	.54
Exons	22855..23058, 23182..23375		

Seq. No.	5176	Seq. ID	OJ990612_44.9B05.C6
Gene No.	10754	Strand	+
Start	493	End	1356
Name	OJ990612_44.9B05.C6.o2.np	Method	AAT/NAP
Start	493	End	1356
GI	5042448	Score	1020
Exons	493..1356		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	5176	Seq. ID	OJ990612_44.9B05.C6
Gene No.	10755	Strand	+
Start	1605	End	3656
Name	OJ990612_44.9B05.C6.o3.np	Method	AAT/NAP
Start	1605	End	3656
GI	4680179	Score	2501
Exons	1605..3287, 3591..3656		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5176	Seq. ID	OJ990612_44.9B05.C6
Gene No.	10756	Strand	-
Start	337	End	407
Name	OJ990612_44.9B05.C6.o1.np	Method	AAT/NAP
Start	337	End	407
GI	4680183	Score	49
Exons	337..407		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5176	Seq. ID	OJ990612_44.9B05.C6

Gene No.	10757	Strand	
Start	1884	End	2384
Name	OJ990612_44.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	1884	End	2231
GI	none	Score	285
Exons	1884..2231, 1898..1972, 1902..2006, 2003..2230		

Seq. No.	5176	Seq. ID	OJ990612_44.9B05.C6
Gene No.	10757	Strand	
Start	1884	End	2384
Name	OJ990612_44.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	2112	End	2384
GI	none	Score	188
Exons	2112..2384, 2129..2293		

Seq. No.	5176	Seq. ID	OJ990612_44.9B05.C6
Gene No.	10758	Strand	
Start	2802	End	3155
Name	OJ990612_44.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	2802	End	3155
GI	none	Score	257
Exons	2802..3155		

Seq. No.	5177	Seq. ID	OJ990612_44.9B05.C7
Gene No.	10759	Strand	+
Start	171	End	6162
Name	OJ990612_44.9B05.C7.o1.gs	Method	GENSCAN
Start	171	End	1442
GI	none	Score	.48
Exons	171..235, 1325..1442		

Seq. No.	5177	Seq. ID	OJ990612_44.9B05.C7
Gene No.	10759	Strand	+
Start	171	End	6162
Name	OJ990612_44.9B05.C7.o2.np	Method	AAT/NAP
Start	303	End	2364
GI	6721561	Score	129
Exons	303..393, 2322..2364		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5177	Seq. ID	OJ990612_44.9B05.C7
Gene No.	10759	Strand	+
Start	171	End	6162
Name	OJ990612_44.9B05.C7.o3.np	Method	AAT/NAP
Start	1224	End	5789
GI	18734	Score	111
Exons	1224..1248, 4896..5398, 5470..5789		
GI Descrip.	(X52493) DNA-directed RNA polymerase [Glycine max]		

Seq. No.	5177	Seq. ID	OJ990612_44.9B05.C7
Gene No.	10759	Strand	+
Start	171	End	6162
Name	OJ990612_44.9B05.C7.o2.gs	Method	GENSCAN

Start	2006	End	6162
GI	none	Score	.65
Exons	2006..2081, 2534..2676, 3167..3265, 4946..5071, 5528..5603, 5697..5790, 6033..6162		

Seq. No.	5177	Seq. ID	OJ990612_44.9B05.C7
Gene No.	10760	Strand	-
Start	181	End	268
Name	OJ990612_44.9B05.C7.o1.np	Method	AAT/NAP
Start	181	End	268
GI	4680183	Score	124
Exons	181..268		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5177	Seq. ID	OJ990612_44.9B05.C7
Gene No.	10761	Strand	-
Start	6877	End	7023
Name	OJ990612_44.9B05.C7.o4.np	Method	AAT/NAP
Start	6877	End	7023
GI	4680183	Score	150
Exons	6877..7023		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10762	Strand	+
Start	1	End	7192
Name	OJ990612_44.9B05.C8.o1.np	Method	AAT/NAP
Start	1	End	3689
GI	4680179	Score	2229
Exons	1..1452, 3654..3689		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10762	Strand	+
Start	1	End	7192
Name	OJ990612_44.9B05.C8.o1.gs	Method	GENSCAN
Start	32	End	7192
GI	none	Score	.44
Exons	32..463, 605..1258, 1823..1988, 2082..2147, 2249..2401, 2407..2531, 4619..4708, 4831..5017, 6699..6815, 7068..7192		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10763	Strand	+
Start	9614	End	15197
Name	OJ990612_44.9B05.C8.o2.np	Method	AAT/NAP
Start	9614	End	15197
GI	4585985	Score	701
Exons	9614..9681, 11201..12781, 15140..15197		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10763	Strand	+
Start	9614	End	15197
Name	OJ990612_44.9B05.C8.o3.gs	Method	GENSCAN
Start	10068	End	12095
GI	none	Score	.66
Exons	10068..10148, 10948..11029, 11388..11567, 11847..11956,		

11997..12095

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10764	Strand	-
Start	7608	End	9643
Name	OJ990612_44.9B05.C8.o2.gs	Method	GENSCAN
Start	7608	End	9643
GI	none	Score	.72
Exons	7608..7705, 7999..8201, 8207..8409, 9396..9499, 9613..9643		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10765	Strand	-
Start	13919	End	14233
Name	OJ990612_44.9B05.C8.o4.gs	Method	GENSCAN
Start	13919	End	14233
GI	none	Score	.89
Exons	13919..14233		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o2.tw	Method	TBLASTX:Wheat
Start	1	End	334
GI	none	Score	381
Exons	1..291, 2..334		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o4.tm	Method	TBLASTX:Maize
Start	2	End	214
GI	none	Score	198
Exons	2..175, 5..214		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	221	End	721
GI	none	Score	125
Exons	221..358, 431..721, 472..600		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	275	End	670
GI	none	Score	51
Exons	275..307, 277..306, 293..355, 311..541, 394..669, 428..670		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o4.tw	Method	TBLASTX:Wheat
Start	383	End	685
GI	none	Score	54
Exons	383..676, 394..456, 394..684, 428..685		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	686	End	1111
GI	none	Score	586
Exons	686..1111, 694..1104, 764..1111		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o2.ts	Method	TBLASTX:Soybean
Start	692	End	937
GI	none	Score	201
Exons	692..937		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	758	End	1111
GI	none	Score	455
Exons	758..1111, 760..1104		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o5.tw	Method	TBLASTX:Wheat
Start	1136	End	1447
GI	none	Score	249
Exons	1136..1447		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o3.tw	Method	TBLASTX:Wheat
Start	11239	End	11661
GI	none	Score	64
Exons	11239..11316, 11313..11465, 11315..11659, 11317..11661		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	12525	End	12787
GI	none	Score	216
Exons	12525..12785, 12594..12785, 12653..12787		

Seq. No.	5178	Seq. ID	OJ990612_44.9B05.C8
Gene No.	10766	Strand	-
Start	17367	End	17605
Name	OJ990612_44.9B05.C8.o5.gs	Method	GENSCAN
Start	17367	End	17605
GI	none	Score	.83
Exons	17367..17395, 17515..17605		

Seq. No.	5179	Seq. ID	OJ990612_44.9B05.C9
Gene No.	10767	Strand	+
Start	839	End	4442
Name	OJ990612_44.9B05.C9.o1.gs	Method	GENSCAN
Start	839	End	4442
GI	none	Score	.69
Exons	839..899, 1388..1576, 2631..2679, 3279..3343, 3880..4442		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10768	Strand	+
Start	11635	End	16991
Name	OJ990612_44.9B05.C10.o1.np	Method	AAT/NAP
Start	11635	End	16268
GI	4680203	Score	3175
Exons	11635..11660, 12959..14631, 14785..15015, 15291..16268		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10768	Strand	+
Start	11635	End	16991
Name	OJ990612_44.9B05.C10.o1.gp	Method	AAT/GAP
Start	12511	End	13098
GI	2310235	Score	291
Exons	12511..12548, 12959..13098		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10768	Strand	+
Start	11635	End	16991
Name	OJ990612_44.9B05.C10.o3.gs	Method	GENSCAN
Start	12959	End	16289
GI	none	Score	.65
Exons	12959..14029, 14074..15111, 15246..16289		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10768	Strand	+
Start	11635	End	16991
Name	OJ990612_44.9B05.C10.o2.gp	Method	AAT/GAP
Start	12963	End	16991
GI	342_1.R1084	Score	6967
Exons	12963..16991		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10769	Strand	-
Start	2636	End	6603
Name	OJ990612_44.9B05.C10.o1.gs	Method	GENSCAN
Start	2636	End	6603
GI	none	Score	.64
Exons	2636..2765, 4114..4250, 4295..4419, 5762..5795, 5833..5948, 6522..6603		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10770	Strand	
Start	13310	End	13653

Name	OJ990612_44.9B05.C10.o4.tw	Method	TBLASTX:Wheat
Start	13310	End	13653
GI	none	Score	87
Exons	13310..13399, 13408..13650, 13409..13651, 13411..13653		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10771	Strand	
Start	13582	End	14454
Name	OJ990612_44.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	13582	End	14011
GI	none	Score	91
Exons	13582..13665, 13583..13657, 13658..13720, 13715..14011, 13769..13993		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10771	Strand	
Start	13582	End	14454
Name	OJ990612_44.9B05.C10.o2.tc	Method	TBLASTX:Cress
Start	13744	End	14059
GI	none	Score	286
Exons	13744..13896, 13751..14059, 13945..14031		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10771	Strand	
Start	13582	End	14454
Name	OJ990612_44.9B05.C10.o2.tw	Method	TBLASTX:Wheat
Start	13880	End	14348
GI	none	Score	66
Exons	13880..13933, 13888..13917, 13934..14038, 13945..14034, 14052..14138, 14053..14139, 14119..14346, 14140..14346, 14142..14348		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10771	Strand	
Start	13582	End	14454
Name	OJ990612_44.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	13937	End	14382
GI	none	Score	103
Exons	13937..14059, 14053..14178, 14188..14382		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10771	Strand	
Start	13582	End	14454
Name	OJ990612_44.9B05.C10.o2.ts	Method	TBLASTX:Soybean
Start	14212	End	14454
GI	none	Score	188
Exons	14212..14454		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10772	Strand	
Start	14487	End	14897
Name	OJ990612_44.9B05.C10.o3.tw	Method	TBLASTX:Wheat
Start	14487	End	14897
GI	none	Score	74
Exons	14487..14534, 14488..14550, 14556..14738, 14560..14778, 14806..14895, 14811..14897, 14812..14895		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10773	Strand	
Start	14875	End	16214
Name	OJ990612_44.9B05.C10.o2.tm	Method	TBLASTX:Maize
Start	14875	End	15254
GI	none	Score	42
Exons	14875..14925, 14941..15144, 14952..15113, 15126..15254, 15143..15226		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10773	Strand	
Start	14875	End	16214
Name	OJ990612_44.9B05.C10.o1.tw	Method	TBLASTX:Wheat
Start	14898	End	16214
GI	none	Score	301
Exons	14898..15143, 14899..15144, 15129..15365, 15143..15628, 15144..15317, 15223..15342, 15299..15622, 15363..15815, 15483..15800, 15810..15854, 15813..15854, 15857..15952, 15861..15920, 15899..16024, 15900..16028, 15921..16031, 16071..16133, 16122..16214		

Seq. No.	5180	Seq. ID	OJ990612_44.9B05.C10
Gene No.	10773	Strand	
Start	14875	End	16214
Name	OJ990612_44.9B05.C10.o1.tc	Method	TBLASTX:Cress
Start	15185	End	15633
GI	none	Score	160
Exons	15185..15628, 15189..15317, 15190..15342, 15363..15632, 15382..15633, 15483..15632		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10774	Strand	+
Start	252	End	8853
Name	OJ990612_44.9B05.C11.o1.gs	Method	GENSCAN
Start	252	End	8350
GI	none	Score	.51
Exons	252..325, 1162..1379, 1431..2482, 2698..3797, 3907..4036, 4142..4287, 4372..4444, 4717..4901, 6246..6304, 6453..6734, 6927..8350		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10774	Strand	+
Start	252	End	8853
Name	OJ990612_44.9B05.C11.o1.np	Method	AAT/NAP
Start	1166	End	4884
GI	4680204	Score	1007
Exons	1166..2602, 2698..3851, 3949..4080, 4177..4396, 4747..4884		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10774	Strand	+
Start	252	End	8853
Name	OJ990612_44.9B05.C11.o3.np	Method	AAT/NAP
Start	5417	End	8853
GI	6705984	Score	1212
Exons	5417..5448, 6817..8341, 8805..8853		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10775	Strand	-
Start	8477	End	8725
Name	OJ990612_44.9B05.C11.o3.tw	Method	TBLASTX:Wheat
Start	1809	End	2212
GI	none	Score	62
Exons	1809..1949, 1809..1925, 1811..2047, 1811..1960, 1912..2079, 2117..2212, 2120..2212		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10775	Strand	-
Start	8477	End	8725
Name	OJ990612_44.9B05.C11.o2.tm	Method	TBLASTX:Maize
Start	6811	End	7039
GI	none	Score	70
Exons	6811..7032, 6821..7039, 6865..7038, 6866..7039		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10775	Strand	-
Start	8477	End	8725
Name	OJ990612_44.9B05.C11.o1.tw	Method	TBLASTX:Wheat
Start	6854	End	7366
GI	none	Score	490
Exons	6854..7366, 6866..7360, 7324..7365		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10775	Strand	-
Start	8477	End	8725
Name	OJ990612_44.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	6872	End	7255
GI	none	Score	159
Exons	6872..7042, 7067..7255, 7067..7246		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10775	Strand	-
Start	8477	End	8725
Name	OJ990612_44.9B05.C11.o2.tw	Method	TBLASTX:Wheat
Start	7772	End	8230
GI	none	Score	281
Exons	7772..8053, 7841..8041, 8058..8201, 8059..8226, 8060..8230		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10775	Strand	-
Start	8477	End	8725
Name	OJ990612_44.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	8009	End	8245
GI	none	Score	265
Exons	8009..8245, 8014..8136, 8039..8239		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10775	Strand	-
Start	8477	End	8725
Name	OJ990612_44.9B05.C11.o2.ts	Method	TBLASTX:Soybean
Start	8009	End	8245
GI	none	Score	257
Exons	8009..8245, 8014..8136, 8039..8239		

Seq. No.	5181	Seq. ID	OJ990612_44.9B05.C11
Gene No.	10775	Strand	-
Start	8477	End	8725
Name	OJ990612_44.9B05.C11.o2.gs	Method	GENSCAN
Start	8477	End	8725
GI	none	Score	.62
Exons	8477..8617, 8678..8725		

Seq. No.	5182	Seq. ID	OJ990612_44.9B05.C12
Gene No.	10776	Strand	+
Start	112	End	3844
Name	OJ990612_44.9B05.C12.o1.gs	Method	GENSCAN
Start	112	End	3844
GI	none	Score	.66
Exons	112..238, 1583..1685, 1889..2050, 2823..3209, 3238..3844		

Seq. No.	5182	Seq. ID	OJ990612_44.9B05.C12
Gene No.	10777	Strand	-
Start	1	End	165
Name	OJ990612_44.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	165
GI	6498436	Score	83
Exons	1..165		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	5182	Seq. ID	OJ990612_44.9B05.C12
Gene No.	10778	Strand	-
Start	1122	End	1380
Name	OJ990612_44.9B05.C12.o1.gp	Method	AAT/GAP
Start	1122	End	1380
GI	61605_3.R1084	Score	417
Exons	1122..1380		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	5182	Seq. ID	OJ990612_44.9B05.C12
Gene No.	10779	Strand	-
Start	2471	End	3386
Name	OJ990612_44.9B05.C12.o2.np	Method	AAT/NAP
Start	2471	End	3386
GI	5852178	Score	313
Exons	2471..2579, 2965..3049, 3081..3386		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	5182	Seq. ID	OJ990612_44.9B05.C12
Gene No.	10780	Strand	-
Start	7288	End	10859
Name	OJ990612_44.9B05.C12.o2.gs	Method	GENSCAN
Start	7288	End	10849
GI	none	Score	.95
Exons	7288..7392, 10481..10849		

Seq. No.	5182	Seq. ID	OJ990612_44.9B05.C12
Gene No.	10780	Strand	-
Start	7288	End	10859
Name	OJ990612_44.9B05.C12.o3.np	Method	AAT/NAP

Start	8943	End	10859
GI	6063554	Score	161
Exons	8943..9118, 10629..10859		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5182	Seq. ID	OJ990612_44.9B05.C12
Gene No.	10780	Strand	-
Start	7288	End	10859
Name	OJ990612_44.9B05.C12.o4.np	Method	AAT/NAP
Start	9673	End	10859
GI	5852178	Score	130
Exons	9673..9808, 10534..10859		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	5182	Seq. ID	OJ990612_44.9B05.C12
Gene No.	10780	Strand	-
Start	7288	End	10859
Name	OJ990612_44.9B05.C12.o5.np	Method	AAT/NAP
Start	10463	End	10859
GI	4680185	Score	417
Exons	10463..10859		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5183	Seq. ID	OJ990612_44.9B05.C13
Gene No.	10781	Strand	+
Start	671	End	1052
Name	OJ990612_44.9B05.C13.o2.gp	Method	AAT/GAP
Start	671	End	1052
GI	uC-osflcyp033a04b1	Score	667
Exons	671..1052		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5183	Seq. ID	OJ990612_44.9B05.C13
Gene No.	10782	Strand	+
Start	1990	End	2875
Name	OJ990612_44.9B05.C13.o2.np	Method	AAT/NAP
Start	1990	End	2875
GI	5852180	Score	59
Exons	1990..2473, 2810..2875		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5183	Seq. ID	OJ990612_44.9B05.C13
Gene No.	10783	Strand	-
Start	604	End	1693
Name	OJ990612_44.9B05.C13.o1.np	Method	AAT/NAP
Start	604	End	1693
GI	4680186	Score	356
Exons	604..804, 1642..1693		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5183	Seq. ID	OJ990612_44.9B05.C13
Gene No.	10784	Strand	-
Start	3730	End	4215
Name	OJ990612_44.9B05.C13.o3.np	Method	AAT/NAP

Start	3730	End	4215
GI	6598399	Score	60
Exons	3730..3969, 4177..4215		
GI Descrip.	(AC003952) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	5183	Seq. ID	OJ990612_44.9B05.C13
Gene No.	10784	Strand	-
Start	3730	End	4215
Name	OJ990612_44.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	3780	End	4144
GI	none	Score	94
Exons	3780..3950, 3782..3907, 3962..4144		

Seq. No.	5183	Seq. ID	OJ990612_44.9B05.C13
Gene No.	10784	Strand	-
Start	3730	End	4215
Name	OJ990612_44.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	3875	End	4213
GI	none	Score	62
Exons	3875..3907, 3876..3956, 3974..4213		

Seq. No.	5184	Seq. ID	OJ990612_44.9B05.C14
Gene No.	10785	Strand	+
Start	16	End	195
Name	OJ990612_44.9B05.C14.o1.gs	Method	GENSCAN
Start	16	End	195
GI	none	Score	.64
Exons	16..195		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10786	Strand	-
Start	1279	End	4976
Name	OJ990612_43.9B01.C1.o1.gs	Method	GENSCAN
Start	1279	End	4976
GI	none	Score	.81
Exons	1279..1414, 2454..2587, 2592..2700, 2934..3056, 3430..3475, 4412..4976		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10787	Strand	-
Start	5747	End	8082
Name	OJ990612_43.9B01.C1.o2.gs	Method	GENSCAN
Start	5747	End	8082
GI	none	Score	.75
Exons	5747..5878, 6284..6440, 6751..6855, 7680..7784, 7877..8082		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10787	Strand	-
Start	5747	End	8082
Name	OJ990612_43.9B01.C1.o1.gp	Method	AAT/GAP
Start	6630	End	6800
GI	uC-osf1cyp033a04b1	Score	283
Exons	6630..6800		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o3.tw	Method	TBLASTX:Wheat
Start	5713	End	17707
GI	none	Score	69
Exons	5713..5814, 12067..12249, 17175..17597, 17194..17511, 17597..17707		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o4.gs	Method	GENSCAN
Start	12275	End	17540
GI	none	Score	46
Exons	12275..12494, 12499..12607, 12653..12718, 12811..12934, 13766..13835, 14061..14457, 14650..14909, 14964..15668, 15770..16088, 16374..16679, 16916..16941, 16993..17075, 17154..17540		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o1.np	Method	AAT/NAP
Start	12661	End	17752
GI	6498441	Score	3504
Exons	12661..12708, 13922..15385, 15572..16205, 16385..16519, 16703..17075, 17139..17589, 17690..17752		
GI Descrip.	(APQ00815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o4.tw	Method	TBLASTX:Wheat
Start	14205	End	14606
GI	none	Score	200
Exons	14205..14321, 14225..14605, 14256..14606, 14370..14606		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o2.tm	Method	TBLASTX:Maize
Start	14411	End	14743
GI	none	Score	173
Exons	14411..14743, 14433..14630		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o6.tw	Method	TBLASTX:Wheat
Start	14957	End	15196
GI	none	Score	184
Exons	14957..15196		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1

Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o5.tw	Method	TBLASTX:Wheat
Start	15251	End	15700
GI	none	Score	96
Exons	15251..15391, 15252..15392, 15456..15629, 15476..15700		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o2.tw	Method	TBLASTX:Wheat
Start	16116	End	16497
GI	none	Score	94
Exons	16116..16253, 16133..16276, 16276..16497, 16277..16492		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o3.tm	Method	TBLASTX:Maize
Start	16169	End	16554
GI	none	Score	161
Exons	16169..16276, 16276..16554, 16277..16513		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o1.ts	Method	TBLASTX:Soybean
Start	16285	End	16521
GI	none	Score	71
Exons	16285..16521, 16286..16402		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o1.tm	Method	TBLASTX:Maize
Start	16582	End	16938
GI	none	Score	103
Exons	16582..16884, 16582..16938, 16625..16903		

Seq. No.	5185	Seq. ID	OJ990612_43.9B01.C1
Gene No.	10788	Strand	-
Start	12275	End	17752
Name	OJ990612_43.9B01.C1.o1.tw	Method	TBLASTX:Wheat
Start	16612	End	17067
GI	none	Score	239
Exons	16612..17001, 16625..17002, 16633..17010, 16899..17009, 16998..17066, 16999..17067		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10789	Strand	+
Start	16396	End	20602
Name	OJ990612_43.9B01.C2.o3.np	Method	AAT/NAP
Start	16396	End	20602
GI	6539238	Score	1646
Exons	16396..18553, 20581..20602		
GI Descrip.	(AC011765) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10790	Strand	+
Start	24015	End	24572
Name	OJ990612_43.9B01.C2.o5.np	Method	AAT/NAP
Start	24015	End	24572
GI	5922623	Score	185
Exons	24015..24095, 24464..24572		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10791	Strand	-
Start	195	End	5248
Name	OJ990612_43.9B01.C2.o1.gs	Method	GENSCAN
Start	195	End	5248
GI	none	Score	.65
Exons	195..659, 867..974, 1040..1688, 2124..2205, 3840..4158, 4238..4319, 5112..5248		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10791	Strand	-
Start	195	End	5248
Name	OJ990612_43.9B01.C2.o1.np	Method	AAT/NAP
Start	432	End	1654
GI	6721562	Score	1067
Exons	432..1654		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10792	Strand	-
Start	5262	End	5931
Name	OJ990612_43.9B01.C2.o2.np	Method	AAT/NAP
Start	5262	End	5931
GI	5441880	Score	633
Exons	5262..5931		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10793	Strand	-
Start	21994	End	24220
Name	OJ990612_43.9B01.C2.o1.tw	Method	TBLASTX:Wheat
Start	630	End	935
GI	none	Score	114
Exons	630..902, 664..903, 870..935		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10793	Strand	-
Start	21994	End	24220
Name	OJ990612_43.9B01.C2.o1.tc	Method	TBLASTX:Cress

Start	16568	End	18367
GI	none	Score	107
Exons	16568..16756, 16571..16771, 16574..16756, 16574..16690, 16583..16756, 16583..16762, 16583..16756, 16766..16840, 16850..16996, 16856..16975, 16985..17044, 16988..17050, 17003..17038, 17042..17329, 17066..17401, 17069..17395, 17069..17404, 17069..17401, 17077..17295, 17093..17200, 17093..17401, 17143..17352, 17176..17352, 17320..17394, 17369..17707, 17378..17767, 17384..17551, 17396..17785, 17420..17692, 17425..17553, 17429..17767, 17438..17500, 17441..17782, 17456..17827, 17456..17602, 17461..17562, 17501..17836, 17513..17785, 17530..17793, 17530..17640, 17533..17694, 17569..17784, 17570..17785, 17576..17767, 17584..17766, 17978..18127, 17978..18145, 18002..18145, 18002..18361, 18017..18139, 18017..18175, 18017..18196, 18023..18145, 18043..18138, 18146..18361, 18149..18319, 18149..18325, 18149..18325, 18149..18289, 18149..18328, 18149..18325, 18149..18367, 18158..18325, 18158..18319		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10793	Strand	-
Start	21994	End	24220
Name	OJ990612_43.9B01.C2.o1.tm	Method	TBLASTX:Maize
Start	16574	End	18334
GI	none	Score	107
Exons	16574..16762, 16580..16762, 16583..16744, 16843..16968, 16856..16969, 17015..17062, 17042..17401, 17060..17350, 17066..17338, 17069..17395, 17072..17329, 17210..17395, 17222..17401, 17366..17632, 17384..17632, 17431..17703, 17438..17695, 17440..17637, 17441..17782, 17510..17785, 17570..17788, 17573..17854, 17584..17787, 17611..17766, 17624..17785, 17672..17716, 18008..18148, 18017..18139, 18017..18334		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10793	Strand	-
Start	21994	End	24220
Name	OJ990612_43.9B01.C2.o1.ts	Method	TBLASTX:Soybean
Start	17060	End	18406
GI	none	Score	75
Exons	17060..17239, 17093..17191, 17150..17311, 17222..17323, 17285..17395, 17291..17395, 17432..17638, 17441..17554, 17464..17640, 17570..17785, 17585..17704, 17662..17775, 17666..17785, 18010..18171, 18011..18406, 18229..18393		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10793	Strand	-
Start	21994	End	24220
Name	OJ990612_43.9B01.C2.o2.tm	Method	TBLASTX:Maize
Start	21612	End	22375
GI	none	Score	44
Exons	21612..21806, 22007..22054, 22046..22186, 22048..22206, 22048..22206, 22048..22206, 22183..22317, 22184..22315, 22193..22291, 22208..22315, 22343..22375		

Seq. No.	5186	Seq. ID	OJ990612_43.9B01.C2
Gene No.	10793	Strand	-

Start	21994	End	24220
Name	OJ990612_43.9B01.C2.o4.gs	Method	GENSCAN
Start	21994	End	24220
GI	none	Score	.75
Exons	21994..22554, 24048..24220		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10794	Strand	+
Start	998	End	4234
Name	OJ990612_43.9B01.C3.o1.gs	Method	GENSCAN
Start	998	End	4234
GI	none	Score	.94
Exons	998..4234		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10794	Strand	+
Start	998	End	4234
Name	OJ990612_43.9B01.C3.o1.np	Method	AAT/NAP
Start	998	End	4231
GI	6907089	Score	4146
Exons	998..2259, 2353..4231		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10795	Strand	+
Start	11080	End	11920
Name	OJ990612_43.9B01.C3.o3.np	Method	AAT/NAP
Start	11080	End	11920
GI	5922623	Score	346
Exons	11080..11160, 11529..11676, 11845..11920		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o8.tm	Method	TBLASTX:Maize
Start	4824	End	4994
GI	none	Score	125
Exons	4824..4994, 4825..4989		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o2.gs	Method	GENSCAN
Start	4851	End	21337
GI	none	Score	.7
Exons	4851..8579, 8658..11021, 11077..11285, 11825..11901, 12061..12160, 15864..15999, 17013..17148, 17245..17478, 17505..17723, 17846..18024, 18292..18536, 19207..19316, 20047..20182, 20500..20663, 21048..21337		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o2.np	Method	AAT/NAP

Start	4854	End	10500
GI	6498441	Score	6805
Exons	4854..5135, 5229..6626, 6798..7195, 7388..7713, 7888..8022, 8206..8579, 8643..9106, 9437..10500		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o6.tw	Method	TBLASTX:Wheat
Start	4863	End	5465
GI	none	Score	83
Exons	4863..4988, 4867..4989, 5019..5078, 5174..5464, 5175..5465, 5182..5460		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o4.tw	Method	TBLASTX:Wheat
Start	5466	End	5847
GI	none	Score	165
Exons	5466..5846, 5497..5745, 5791..5847		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o4.tm	Method	TBLASTX:Maize
Start	5661	End	5984
GI	none	Score	200
Exons	5661..5984, 5674..5967		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o8.tw	Method	TBLASTX:Wheat
Start	6177	End	6489
GI	none	Score	66
Exons	6177..6437, 6313..6489		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o3.ts	Method	TBLASTX:Soybean
Start	6237	End	6803
GI	5666795	Score	68
Exons	6237..6437, 6492..6629, 6705..6803		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o5.tw	Method	TBLASTX:Wheat
Start	6492	End	6950
GI	none	Score	92
Exons	6492..6632, 6493..6630, 6688..6861, 6702..6950, 6702..6926		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o7.tw	Method	TBLASTX:Wheat
Start	7351	End	21107
GI	none	Score	95
Exons	7351..7428, 9960..10217, 9994..10233, 10200..10298, 10201..10281, 10305..10352, 21021..21107		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o2.ts	Method	TBLASTX:Soybean
Start	7551	End	7922
GI	none	Score	90
Exons	7551..7922, 7762..7905		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o2.tw	Method	TBLASTX:Wheat
Start	7576	End	8000
GI	none	Score	330
Exons	7576..7995, 7581..8000		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o3.tm	Method	TBLASTX:Maize
Start	7674	End	8058
GI	none	Score	221
Exons	7674..8057, 7693..8058		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o2.tm	Method	TBLASTX:Maize
Start	8085	End	8441
GI	none	Score	112
Exons	8085..8390, 8085..8441, 8095..8406		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o1.tw	Method	TBLASTX:Wheat
Start	8109	End	8571
GI	none	Score	400
Exons	8109..8570, 8110..8571		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o4.ts	Method	TBLASTX:Soybean
Start	8166	End	8531
GI	none	Score	117
Exons	8166..8300, 8307..8531		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o3.tw	Method	TBLASTX:Wheat
Start	8739	End	9222
GI	none	Score	70
Exons	8739..9221, 8793..8957, 8794..9027, 9049..9222		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o9.tm	Method	TBLASTX:Maize
Start	10062	End	10347
GI	none	Score	64
Exons	10062..10346, 10062..10310, 10063..10347		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o1.gp	Method	AAT/GAP
Start	14621	End	15592
GI	none	Score	1243
Exons	14621..14894, 15214..15592		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o6.tm	Method	TBLASTX:Maize
Start	15461	End	15768
GI	none	Score	110
Exons	15461..15589, 15520..15591, 15671..15766, 15671..15766, 15673..15768		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o1.tm	Method	TBLASTX:Maize
Start	15769	End	16380
GI	none	Score	190
Exons	15769..15795, 15842..16018, 15857..15985, 15859..16026, 16046..16234, 16046..16234, 16060..16236, 16077..16241, 16089..16241, 16312..16347, 16324..16347, 16347..16376, 16348..16377, 16351..16380		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o4.np	Method	AAT/NAP
Start	15856	End	17432
GI	4454035	Score	784
Exons	15856..15999, 16085..16257, 16318..16409, 16653..16774, 17013..17148, 17245..17432		
GI Descrip.	(AL035394) polyprenyltransferase like protein [Arabidopsis thaliana]		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3

Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o1.tc	Method	TBLASTX:Cress
Start	16695	End	17333
GI	none	Score	76
Exons	16695..16778, 17003..17044, 17010..17147, 17050..17148, 17244..17333, 17251..17280		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o1.ts	Method	TBLASTX:Soybean
Start	17019	End	17333
GI	none	Score	101
Exons	17019..17147, 17050..17148, 17232..17333		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o5.np	Method	AAT/NAP
Start	17260	End	20760
GI	6523547	Score	230
Exons	17260..17704, 17860..18024, 20659..20760		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o7.tm	Method	TBLASTX:Maize
Start	19151	End	19378
GI	none	Score	66
Exons	19151..19378, 19224..19370		

Seq. No.	5187	Seq. ID	OJ990612_43.9B01.C3
Gene No.	10796	Strand	-
Start	4851	End	21337
Name	OJ990612_43.9B01.C3.o5.tm	Method	TBLASTX:Maize
Start	19468	End	19749
GI	none	Score	221
Exons	19468..19749		

Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o1.np	Method	AAT/NAP
Start	1	End	4079
GI	4680203	Score	1695
Exons	1..38, 577..2195, 2352..2569, 2846..3693, 3970..4079		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o1.gs	Method	GENSCAN
Start	644	End	9121
GI	none	Score	.56

Exons	644..3756, 4361..4543, 4602..4821, 5428..5483, 5509..5632, 5723..6395, 7419..7719, 8042..8293, 8574..8655, 8930..9121		
Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o2.tw	Method	TBLASTX:Wheat
Start	950	End	1543
GI	none	Score	230
Exons	950..1240, 952..1242, 1298..1414, 1301..1399, 1418..1543, 1435..1542		
Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o1.ts	Method	TBLASTX:Soybean
Start	1118	End	1558
GI	none	Score	108
Exons	1118..1240, 1123..1239, 1283..1558, 1318..1557		
Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o2.tc	Method	TBLASTX:Cress
Start	1307	End	1639
GI	none	Score	288
Exons	1307..1639, 1393..1443, 1477..1584		
Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o2.tm	Method	TBLASTX:Maize
Start	1445	End	1930
GI	none	Score	102
Exons	1445..1549, 1453..1548, 1552..1644, 1556..1645, 1713..1748, 1742..1789, 1790..1837, 1837..1926, 1841..1930		
Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o3.tw	Method	TBLASTX:Wheat
Start	1544	End	1879
GI	none	Score	57
Exons	1544..1585, 1589..1687, 1591..1686, 1733..1831, 1744..1815, 1841..1879		
Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o1.tm	Method	TBLASTX:Maize
Start	2435	End	2818
GI	none	Score	59
Exons	2435..2503, 2503..2817, 2504..2818		
Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121

Name	OJ990612_43.9B01.C4.o1.tw	Method	TBLASTX:Wheat
Start	2459	End	3592
GI	none	Score	551
Exons	2459..3175, 2512..3087, 3184..3366, 3194..3382, 3359..3460, 3370..3489, 3491..3592, 3493..3585		

Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o1.tc	Method	TBLASTX:Cress
Start	2750	End	3175
GI	none	Score	317
Exons	2750..3175, 2758..3087		

Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o3.tm	Method	TBLASTX:Maize
Start	3068	End	3358
GI	none	Score	146
Exons	3068..3238, 3116..3232, 3250..3357, 3251..3358		

Seq. No.	5188	Seq. ID	OJ990612_43.9B01.C4
Gene No.	10797	Strand	+
Start	1	End	9121
Name	OJ990612_43.9B01.C4.o2.ts	Method	TBLASTX:Soybean
Start	3439	End	3652
GI	none	Score	187
Exons	3439..3621, 3440..3652		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10798	Strand	+
Start	19020	End	20548
Name	OJ990612_43.9B01.C5.o5.gs	Method	GENSCAN
Start	19020	End	20548
GI	none	Score	.47
Exons	19020..19081, 19205..19502, 19508..19847, 20460..20548		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10799	Strand	+
Start	25596	End	26639
Name	OJ990612_43.9B01.C5.o7.gs	Method	GENSCAN
Start	25596	End	26639
GI	none	Score	.83
Exons	25596..25645, 26438..26639		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10800	Strand	-
Start	3815	End	26474
Name	OJ990612_43.9B01.C5.o1.np	Method	AAT/NAP
Start	3815	End	6037
GI	6907086	Score	486
Exons	3815..3904, 3996..4219, 4363..4699, 4759..5464, 5968..6037		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10800	Strand	-

Start	3815	End	26474
Name	OJ990612_43.9B01.C5.o2.np	Method	AAT/NAP
Start	5792	End	8716
GI	4680186	Score	168
Exons	5792..5814, 6438..6608, 7209..7338, 8656..8716		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10800	Strand	-
Start	3815	End	26474
Name	OJ990612_43.9B01.C5.o3.np	Method	AAT/NAP
Start	6023	End	26474
GI	932	Score	395
Exons	6023..6049, 10265..10434, 11590..11792, 13750..13817, 14350..14421, 14510..14659, 14732..14947, 15172..15283, 17308..17500, 17665..17750, 17885..18079, 18820..18925, 21643..21734, 26345..26474		
GI Descrip.	(X53744) 68kDA subunit of signal recognition particle [Canis familiaris]		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10800	Strand	-
Start	3815	End	26474
Name	OJ990612_43.9B01.C5.o3.gs	Method	GENSCAN
Start	8647	End	15244
GI	none	Score	.73
Exons	8647..8843, 10282..10474, 11600..11736, 13310..13494, 14350..14459, 14533..14739, 14832..14959, 15172..15244		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10800	Strand	-
Start	3815	End	26474
Name	OJ990612_43.9B01.C5.o1.gp	Method	AAT/GAP
Start	12031	End	12113
GI	69953_1.R1084	Score	91
Exons	12031..12113		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10800	Strand	-
Start	3815	End	26474
Name	OJ990612_43.9B01.C5.o4.gs	Method	GENSCAN
Start	16609	End	18025
GI	none	Score	.91
Exons	16609..16701, 17308..17500, 17665..17750, 17885..18025		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10800	Strand	-
Start	3815	End	26474
Name	OJ990612_43.9B01.C5.o6.gs	Method	GENSCAN
Start	21564	End	25053
GI	none	Score	.77
Exons	21564..21709, 21810..22066, 23891..23969, 24363..24417, 24904..25053		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5

Gene No.	10801	Strand	-
Start	27061	End	29907
Name	OJ990612_43.9B01.C5.o2.tm	Method	TBLASTX:Maize
Start	10201	End	11746
GI	none	Score	35
Exons	10201..10218, 10238..10477, 10254..10421, 10255..10461, 11600..11746, 11607..11744, 11609..11746		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10801	Strand	-
Start	27061	End	29907
Name	OJ990612_43.9B01.C5.o1.tc	Method	TBLASTX:Cress
Start	10213	End	11746
GI	none	Score	116
Exons	10213..10257, 10268..10444, 10289..10480, 10294..10446, 11612..11746, 11613..11735		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10801	Strand	-
Start	27061	End	29907
Name	OJ990612_43.9B01.C5.o1.tm	Method	TBLASTX:Maize
Start	13655	End	14960
GI	none	Score	132
Exons	13655..13825, 13689..13832, 13690..13833, 14339..14461, 14340..14462, 14341..14466, 14521..14739, 14530..14739, 14830..14946, 14832..14960, 14833..14955		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10801	Strand	-
Start	27061	End	29907
Name	OJ990612_43.9B01.C5.o2.tc	Method	TBLASTX:Cress
Start	14385	End	15259
GI	none	Score	72
Exons	14385..14465, 14395..14463, 14533..14637, 14543..14635, 14635..14697, 14657..14698, 14832..14960, 14832..14960, 14833..14961, 15164..15259, 15174..15257		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10801	Strand	-
Start	27061	End	29907
Name	OJ990612_43.9B01.C5.o1.ts	Method	TBLASTX:Soybean
Start	14403	End	14728
GI	none	Score	66
Exons	14403..14465, 14404..14463, 14514..14720, 14533..14727, 14539..14709, 14543..14728		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10801	Strand	-
Start	27061	End	29907
Name	OJ990612_43.9B01.C5.o2.ts	Method	TBLASTX:Soybean
Start	15164	End	17989
GI	none	Score	108
Exons	15164..15286, 15174..15272, 17308..17346, 17353..17502, 17361..17507, 17372..17503, 17664..17753, 17665..17736, 17885..17989, 17886..17975		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5

Gene No.	10801	Strand	-
Start	27061	End	29907
Name	OJ990612_43.9B01.C5.o3.tm	Method	TBLASTX:Maize
Start	15164	End	21888
GI	none	Score	172
Exons	15164..15286, 15165..15284, 17283..17336, 17307..17339, 17308..17337, 17356..17502, 17364..17501, 17369..17503, 17424..17507, 17664..17723, 17664..17723, 17665..17724, 17715..17753, 17719..17751, 17880..18092, 17880..18077, 17884..18093, 17885..18091, 18801..18926, 18812..18925, 18814..18927, 18814..18927, 21642..21710, 21646..21711, 21811..21888		

Seq. No.	5189	Seq. ID	OJ990612_43.9B01.C5
Gene No.	10801	Strand	-
Start	27061	End	29907
Name	OJ990612_43.9B01.C5.o8.gs	Method	GENSCAN
Start	27061	End	29907
GI	none	Score	.55
Exons	27061..27165, 28038..28105, 29784..29907		

Seq. No.	5190	Seq. ID	OJ990612_43.9B01.C6
Gene No.	10802	Strand	+
Start	74	End	127
Name	OJ990612_43.9B01.C6.o1.gs	Method	GENSCAN
Start	74	End	127
GI	none	Score	.89
Exons	74..127		

Seq. No.	5191	Seq. ID	OJ990612_43.9B01.C8
Gene No.	10803	Strand	-
Start	1	End	675
Name	OJ990612_43.9B01.C8.o1.np	Method	AAT/NAP
Start	1	End	675
GI	2498930	Score	720
Exons	1..403, 571..675		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	5191	Seq. ID	OJ990612_43.9B01.C8
Gene No.	10803	Strand	-
Start	1	End	675
Name	OJ990612_43.9B01.C8.o1.gs	Method	GENSCAN
Start	10	End	630
GI	none	Score	.81
Exons	10..191, 206..403, 571..630		

Seq. No.	5192	Seq. ID	OJ990612_43.9B01.C10
Gene No.	10804	Strand	+
Start	129	End	743
Name	OJ990612_43.9B01.C10.o1.np	Method	AAT/NAP
Start	129	End	743
GI	5922623	Score	61
Exons	129..207, 705..743		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5192	Seq. ID	OJ990612_43.9B01.C10
Gene No.	10805	Strand	-
Start	112	End	449
Name	OJ990612_43.9B01.C10.o1.gs	Method	GENSCAN
Start	112	End	449
GI	none	Score	.62
Exons	112..188, 350..449		

Seq. No.	5193	Seq. ID	OJ990612_43.9B01.C12
Gene No.	10806	Strand	-
Start	1	End	195
Name	OJ990612_43.9B01.C12.o1.np	Method	AAT/NAP
Start	1	End	195
GI	6539586	Score	232
Exons	1..195		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5193	Seq. ID	OJ990612_43.9B01.C12
Gene No.	10806	Strand	-
Start	1	End	195
Name	OJ990612_43.9B01.C12.o1.gs	Method	GENSCAN
Start	45	End	93
GI	none	Score	.96
Exons	45..93		

Seq. No.	5194	Seq. ID	OJ990612_30.9B05.C2
Gene No.	10807	Strand	-
Start	202	End	372
Name	OJ990612_30.9B05.C2.o1.gs	Method	GENSCAN
Start	202	End	372
GI	none	Score	.51
Exons	202..372		

Seq. No.	5195	Seq. ID	OJ990612_30.9B05.C3
Gene No.	10808	Strand	-
Start	428	End	478
Name	OJ990612_30.9B05.C3.o1.gs	Method	GENSCAN
Start	428	End	478
GI	none	Score	.47
Exons	428..478		

Seq. No.	5196	Seq. ID	OJ990612_30.9B05.C4
Gene No.	10809	Strand	-
Start	1	End	1602
Name	OJ990612_30.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	1602
GI	6899926	Score	74
Exons	1..41, 1347..1602		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	5197	Seq. ID	OJ990612_30.9B05.C5
Gene No.	10810	Strand	-
Start	319	End	703
Name	OJ990612_30.9B05.C5.o1.gs	Method	GENSCAN
Start	319	End	703
GI	none	Score	.93

Exons	319..444, 551..703		
Seq. No.	5198	Seq. ID	OJ990612_30.9B05.C6
Gene No.	10811	Strand	+
Start	780	End	1539
Name	OJ990612_30.9B05.C6.o1.gs	Method	GENSCAN
Start	780	End	1539
GI	none	Score	.46
Exons	780..988, 1116..1539		
Seq. No.	5198	Seq. ID	OJ990612_30.9B05.C6
Gene No.	10812	Strand	-
Start	2762	End	3879
Name	OJ990612_30.9B05.C6.o2.gs	Method	GENSCAN
Start	2762	End	3879
GI	none	Score	.92
Exons	2762..2920, 3682..3879		
Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o1.gp	Method	AAT/GAP
Start	1042	End	1492
GI	none	Score	839
Exons	1042..1492		
Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o1.gs	Method	GENSCAN
Start	1077	End	7938
GI	none	Score	.75
Exons	1077..2151, 2200..2507, 3905..3950, 4532..4636, 5045..5049, 5079..5217, 5905..5962, 6147..6175, 6736..7010, 7122..7182, 7285..7379, 7457..7569, 7665..7938		
Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o1.np	Method	AAT/NAP
Start	1133	End	2501
GI	6899923	Score	1366
Exons	1133..2501		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		
Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	1208	End	1912
GI	none	Score	808
Exons	1208..1912, 1215..1910		
Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o3.tc	Method	TBLASTX:Cress

Start	1212	End	1493
GI	none	Score	317
Exons	1212..1493, 1229..1486		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	1401	End	1886
GI	none	Score	710
Exons	1401..1886, 1403..1885		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o2.tc	Method	TBLASTX:Cress
Start	1542	End	2009
GI	none	Score	470
Exons	1542..1949, 1571..1936, 1728..1940, 1965..2000, 1968..2009		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	1948	End	2189
GI	none	Score	89
Exons	1948..2058, 1955..2188, 1955..2188, 1956..2189		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o3.ts	Method	TBLASTX:Soybean
Start	1968	End	2234
GI	none	Score	378
Exons	1968..2231, 1971..2234, 1979..2233		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o4.tm	Method	TBLASTX:Maize
Start	2292	End	2517
GI	none	Score	323
Exons	2292..2507, 2292..2507, 2293..2517		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o2.gp	Method	AAT/GAP
Start	2294	End	4780
GI	2312321	Score	840
Exons	2294..2507, 4535..4780		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o3.gp	Method	AAT/GAP
Start	6065	End	7997

GI	2255_1.R1084	Score	1873
Exons	6065..6175, 6667..7010, 7122..7182, 7285..7379, 7457..7569, 7665..7997		
GI Descrip.	'1168537/sp|P42211|ASPR_ORYSA 0.0e+00 ASPARTIC PROTEINASE PRECURSOR >gi_82458_pir__JS0732 aspartic proteinase (EC 3.4.23.-) - rice >gi_218143_dbj_BAA02242_ (D12777) aspartic proteinase [Oryza sativa]'		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o2.ts	Method	TBLASTX:Soybean
Start	6672	End	7938
GI	none	Score	74
Exons	6672..6740, 6738..6851, 6774..7013, 6862..6993, 6863..7090, 7116..7184, 7281..7379, 7283..7369, 7304..7381, 7306..7404, 7449..7544, 7454..7573, 7454..7543, 7462..7563, 7663..7935, 7672..7938, 7701..7937		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o2.tw	Method	TBLASTX:Wheat
Start	6672	End	7173
GI	none	Score	77
Exons	6672..6743, 6695..6742, 6746..6850, 6747..6851, 6757..6873, 6866..7009, 6867..7013, 6868..7014, 7116..7142, 7120..7173		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o2.np	Method	AAT/NAP
Start	6681	End	7997
GI	1168537	Score	1020
Exons	6681..7010, 7122..7182, 7285..7379, 7457..7569, 7665..7997		
GI Descrip.	ASPARTIC PROTEINASE PRECURSOR gi|82458|pir||JS0732 aspartic proteinase (EC 3.4.23.-) - rice gi|218143|dbj|BAA02242| (D12777) aspartic proteinase [Oryza sativa]		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	6726	End	7938
GI	none	Score	142
Exons	6726..6860, 6728..6859, 6866..7009, 6867..7013, 7120..7182, 7121..7183, 7281..7379, 7283..7378, 7452..7568, 7453..7569, 7454..7582, 7663..7935, 7664..7936, 7666..7938, 7701..7937		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	6840	End	7938
GI	none	Score	222
Exons	6840..7013, 6866..7018, 7122..7184, 7281..7379, 7284..7397, 7454..7570, 7459..7569, 7672..7938, 7707..7934		

Seq. No.	5199	Seq. ID	OJ990612_30.9B05.C8
Gene No.	10813	Strand	+
Start	1042	End	7997
Name	OJ990612_30.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	7463	End	7857
GI	none	Score	170
Exons	7463..7570, 7464..7568, 7465..7569, 7664..7852, 7666..7857, 7707..7856		

Seq. No.	5200	Seq. ID	OJ990612_30.9B05.C9
Gene No.	10814	Strand	+
Start	1	End	1544
Name	OJ990612_30.9B05.C9.o1.gp	Method	AAT/GAP
Start	1	End	1544
GI	2255_1.R1084	Score	1883
Exons	1..131, 240..304, 411..551, 639..758, 848..936, 1052..1544		
GI Descrip.	'1168537/sp|P42211|ASPR_ORYSA 0.0e+00 ASPARTIC PROTEINASE PRECURSOR >gi_82458_pir__JS0732 aspartic proteinase (EC 3.4.23.-) - rice >gi_218143_dbj_BAA02242_ (D12777) aspartic proteinase [Oryza sativa]'		

Seq. No.	5200	Seq. ID	OJ990612_30.9B05.C9
Gene No.	10814	Strand	+
Start	1	End	1544
Name	OJ990612_30.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	934
GI	1363504	Score	688
Exons	1..131, 240..304, 411..551, 639..758, 848..934		
GI Descrip.	aspartic proteinase (EC 3.4.-.-) L5 - rice (fragment)		

Seq. No.	5200	Seq. ID	OJ990612_30.9B05.C9
Gene No.	10814	Strand	+
Start	1	End	1544
Name	OJ990612_30.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	21	End	1136
GI	none	Score	135
Exons	21..131, 24..137, 227..304, 236..310, 412..519, 417..509, 424..519, 636..758, 637..756, 638..757, 844..936, 845..937, 846..938, 1041..1124, 1042..1110, 1052..1132, 1053..1136		

Seq. No.	5200	Seq. ID	OJ990612_30.9B05.C9
Gene No.	10814	Strand	+
Start	1	End	1544
Name	OJ990612_30.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	21	End	1136
GI	none	Score	107
Exons	21..134, 246..278, 459..518, 463..519, 636..758, 638..757, 824..937, 844..936, 1041..1124, 1053..1136		

Seq. No.	5200	Seq. ID	OJ990612_30.9B05.C9
Gene No.	10814	Strand	+
Start	1	End	1544
Name	OJ990612_30.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	408	End	1136
GI	none	Score	43
Exons	408..452, 418..453, 453..512, 454..546, 636..758, 644..754,		

845..937, 847..936, 1041..1121, 1052..1126, 1052..1126, 1053..1136

Seq. No.	5200	Seq. ID	OJ990612_30.9B05.C9
Gene No.	10814	Strand	+
Start	1	End	1544
Name	OJ990612_30.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	445	End	1136
GI	none	Score	100
Exons	445..519, 454..516, 518..574, 518..553, 635..778, 636..758, 637..765, 844..936, 844..936, 845..937, 1036..1110, 1041..1121, 1052..1135, 1052..1135, 1053..1136		

Seq. No.	5200	Seq. ID	OJ990612_30.9B05.C9
Gene No.	10814	Strand	+
Start	1	End	1544
Name	OJ990612_30.9B05.C9.o1.gs	Method	GENSCAN
Start	478	End	1136
GI	none	Score	.79
Exons	478..551, 659..758, 848..936, 1052..1136		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10815	Strand	+
Start	1106	End	2824
Name	OJ990612_30.9B05.C10.o1.gs	Method	GENSCAN
Start	1106	End	2824
GI	none	Score	.41
Exons	1106..1127, 2274..2368, 2465..2824		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10816	Strand	+
Start	8487	End	15464
Name	OJ990612_30.9B05.C10.o3.gs	Method	GENSCAN
Start	8487	End	15464
GI	none	Score	.69
Exons	8487..8883, 8981..9156, 9254..9475, 9598..9836, 10626..11151, 11261..11534, 11638..11841, 11854..11967, 12160..12482, 12560..12826, 12952..13215, 13300..13593, 14613..14746, 15173..15464		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10816	Strand	+
Start	8487	End	15464
Name	OJ990612_30.9B05.C10.o1.np	Method	AAT/NAP
Start	8616	End	14043
GI	6899925	Score	3997
Exons	8616..8883, 8981..9156, 9254..9475, 9598..9836, 10626..11151, 11261..11534, 11638..12482, 12572..12826, 12952..13215, 13300..13593, 13693..14043		
GI Descrip.	(AL138651) P-glycoprotein-like proetin [Arabidopsis thaliana]		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10816	Strand	+
Start	8487	End	15464
Name	OJ990612_30.9B05.C10.o2.gp	Method	AAT/GAP
Start	13105	End	13462
GI	LIB3434-043-P1-K1-B6	Score	499

Exons	13105..13215, 13300..13462		
GI Descrip.	'5816991/emb|CAB53646.1| 1.0e-34 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]'		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10817	Strand	-
Start	4823	End	6389
Name	OJ990612_30.9B05.C10.o2.gs	Method	GENSCAN
Start	4823	End	6389
GI	none	Score	.97
Exons	4823..5006, 6304..6389		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10818	Strand	-
Start	11421	End	11872
Name	OJ990612_30.9B05.C10.o1.gp	Method	AAT/GAP
Start	11421	End	11872
GI	none	Score	757
Exons	11421..11872		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10819	Strand	-
Start	13687	End	14699
Name	OJ990612_30.9B05.C10.o3.gp	Method	AAT/GAP
Start	13687	End	14699
GI	31724_1.R1084	Score	965
Exons	13687..13906, 13980..14074, 14309..14446, 14542..14699		
GI Descrip.	'4558552/gb|AAD22645.1|AC007138_9 7.0e-27 (AC007138) putative P-glycoprotein-like protein [Arabidopsis thaliana]'		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o1.tc	Method	TBLASTX:Cress
Start	8658	End	14007
GI	none	Score	107
Exons	8658..8786, 8973..9158, 8974..9159, 8980..9105, 9176..9205, 9296..9364, 9598..9837, 9598..9771, 10609..11151, 10632..11060, 10738..11151, 10764..11060, 10870..11097, 10921..11154, 11258..11536, 11258..11560, 11260..11538, 11260..11535, 11637..11702, 11910..12386, 12566..12673, 12566..12679, 13045..13218, 13105..13215, 13110..13214, 13297..13548, 13299..13547, 13303..13530, 13305..13520, 13692..14000, 13692..14000, 13693..14007, 13693..14007		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o3.tm	Method	TBLASTX:Maize
Start	9060	End	12077
GI	none	Score	128
Exons	9060..9137, 9061..9141, 9061..9141, 11729..11779, 11729..11773, 11784..12068, 11816..12076, 11822..12070, 11832..12077		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671

Name	OJ990612_30.9B05.C10.o1.ts	Method	TBLASTX:Soybean
Start	9254	End	13499
GI	none	Score	116
Exons	9254..9481, 9598..9837, 10630..11058, 10689..11048, 10753..11049, 11906..12097, 11907..12104, 12105..12485, 12131..12481, 12420..12485, 12557..12682, 12559..12678, 12602..12826, 12724..12828, 12755..12829, 12949..13215, 12951..13211, 13288..13497, 13289..13450, 13299..13499		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	9598	End	14303
GI	none	Score	123
Exons	9598..9837, 10630..11076, 10677..11060, 10678..11076, 11080..11151, 11255..11539, 11257..11535, 11637..11705, 12079..12249, 12080..12160, 12080..12481, 12084..12485, 12084..12485, 12558..12827, 12559..12681, 12599..12826, 12721..12828, 12755..12829, 12950..13210, 12951..13214, 12951..13214, 12952..13215, 13277..13507, 13288..13572, 13299..13583, 13691..13927, 13692..14000, 13692..14000, 13693..14007, 13964..14047, 13973..14050, 14070..14144, 14109..14240, 14116..14241, 14202..14249, 14280..14303		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o1.tw	Method	TBLASTX:Wheat
Start	11269	End	13950
GI	none	Score	307
Exons	11269..11505, 11270..11518, 11294..11515, 13702..13950, 13710..13949		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o3.ts	Method	TBLASTX:Soybean
Start	11318	End	14007
GI	none	Score	313
Exons	11318..11536, 11318..11512, 11320..11538, 11636..11707, 11637..11726, 13749..14000, 13750..14007		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o5.tm	Method	TBLASTX:Maize
Start	19273	End	19506
GI	none	Score	120
Exons	19273..19422, 19282..19440, 19465..19506		

Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o2.np	Method	AAT/NAP
Start	19288	End	20671
GI	6899923	Score	1266

Exons	19288..20671		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		
Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o4.gp	Method	AAT/GAP
Start	19510	End	19900
GI	LIB3433-012-Q6-K1-F2	Score	766
Exons	19510..19900		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o4.ts	Method	TBLASTX:Soybean
Start	19564	End	19827
GI	none	Score	252
Exons	19564..19827, 19565..19819		
Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o4.tm	Method	TBLASTX:Maize
Start	19609	End	19843
GI	none	Score	234
Exons	19609..19842, 19610..19843		
Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o2.tc	Method	TBLASTX:Cress
Start	19798	End	20259
GI	none	Score	166
Exons	19798..19833, 19822..20067, 19880..20083, 20125..20259		
Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o2.ts	Method	TBLASTX:Soybean
Start	19886	End	20586
GI	none	Score	204
Exons	19886..20080, 19888..20067, 20093..20350, 20125..20586, 20432..20560		
Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671
Name	OJ990612_30.9B05.C10.o2.tm	Method	TBLASTX:Maize
Start	19912	End	20358
GI	none	Score	240
Exons	19912..20067, 19913..20131, 20090..20350, 20125..20358		
Seq. No.	5201	Seq. ID	OJ990612_30.9B05.C10
Gene No.	10820	Strand	-
Start	19288	End	20671

Name	OJ990612_30.9B05.C10.o3.tc	Method	TBLASTX:Cress
Start	20302	End	20586
GI	none	Score	93
Exons	20302..20586, 20432..20560		

Seq. No.	5202	Seq. ID	OJ990612_30.9B05.C11
Gene No.	10821	Strand	+
Start	1	End	1788
Name	OJ990612_30.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	1788
GI	6735290	Score	196
Exons	1..33, 219..290, 1387..1788		
GI Descrip.	(AL137079) putative transposase [Arabidopsis thaliana]		

Seq. No.	5202	Seq. ID	OJ990612_30.9B05.C11
Gene No.	10821	Strand	+
Start	1	End	1788
Name	OJ990612_30.9B05.C11.o1.gs	Method	GENSCAN
Start	304	End	1516
GI	none	Score	.62
Exons	304..442, 492..550, 558..701, 916..1213, 1250..1516		

Seq. No.	5202	Seq. ID	OJ990612_30.9B05.C11
Gene No.	10821	Strand	+
Start	1	End	1788
Name	OJ990612_30.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	1142	End	1433
GI	none	Score	82
Exons	1142..1309, 1143..1322, 1144..1323, 1354..1431, 1354..1431, 1371..1433		

Seq. No.	5202	Seq. ID	OJ990612_30.9B05.C11
Gene No.	10821	Strand	+
Start	1	End	1788
Name	OJ990612_30.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	1405	End	1788
GI	none	Score	92
Exons	1405..1581, 1603..1788		

Seq. No.	5202	Seq. ID	OJ990612_30.9B05.C11
Gene No.	10821	Strand	+
Start	1	End	1788
Name	OJ990612_30.9B05.C11.o2.tm	Method	TBLASTX:Maize
Start	1435	End	1788
GI	none	Score	104
Exons	1435..1593, 1603..1788, 1605..1742		

Seq. No.	5203	Seq. ID	OJ990612_30.9B05.C15
Gene No.	10822	Strand	+
Start	96	End	818
Name	OJ990612_30.9B05.C15.o1.gs	Method	GENSCAN
Start	96	End	818
GI	none	Score	.76
Exons	96..426, 655..702, 793..818		

Seq. No.	5204	Seq. ID	OJ990612_30.9B05.C16
Gene No.	10823	Strand	-

Start	37	End	801
Name	OJ990612_30.9B05.C16.o1.gs	Method	GENSCAN
Start	37	End	801
GI	none	Score	.52
Exons	37..801		

Seq. No.	5205	Seq. ID	OJ990612_30.9B05.C17
Gene No.	10824	Strand	+
Start	491	End	1131
Name	OJ990612_30.9B05.C17.o1.gs	Method	GENSCAN
Start	491	End	1111
GI	none	Score	.9
Exons	491..550, 718..915, 930..1111		

Seq. No.	5205	Seq. ID	OJ990612_30.9B05.C17
Gene No.	10824	Strand	+
Start	491	End	1131
Name	OJ990612_30.9B05.C17.o1.np	Method	AAT/NAP
Start	491	End	1131
GI	2498930	Score	708
Exons	491..550, 718..1131		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	5206	Seq. ID	OJ990612_30.9B05.C18
Gene No.	10825	Strand	+
Start	1	End	605
Name	OJ990612_30.9B05.C18.o1.np	Method	AAT/NAP
Start	1	End	605
GI	5091513	Score	722
Exons	1..605		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5206	Seq. ID	OJ990612_30.9B05.C18
Gene No.	10825	Strand	+
Start	1	End	605
Name	OJ990612_30.9B05.C18.o1.gs	Method	GENSCAN
Start	126	End	542
GI	none	Score	.91
Exons	126..542		

Seq. No.	5207	Seq. ID	OJ990612_30.9B05.C19
Gene No.	10826	Strand	-
Start	1	End	547
Name	OJ990612_30.9B05.C19.o1.np	Method	AAT/NAP
Start	1	End	547
GI	2498930	Score	940
Exons	1..547		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	5207	Seq. ID	OJ990612_30.9B05.C19
Gene No.	10826	Strand	-
Start	1	End	547
Name	OJ990612_30.9B05.C19.o1.gs	Method	GENSCAN
Start	11	End	485
GI	none	Score	.95

Exons	11..485		
Seq. No.	5208	Seq. ID	OJ990612_30.9B05.C20
Gene No.	10827	Strand	+
Start	397	End	502
Name	OJ990612_30.9B05.C20.o1.gs	Method	GENSCAN
Start	397	End	502
GI	none	Score	.6
Exons	397..502		
Seq. No.	5209	Seq. ID	OJ990612_30.9B05.C21
Gene No.	10828	Strand	+
Start	447	End	985
Name	OJ990612_30.9B05.C21.o1.gs	Method	GENSCAN
Start	447	End	985
GI	none	Score	.7
Exons	447..574, 918..985		
Seq. No.	5210	Seq. ID	OJ990612_30.9B05.C22
Gene No.	10829	Strand	+
Start	373	End	7829
Name	OJ990612_30.9B05.C22.o1.np	Method	AAT/NAP
Start	373	End	7829
GI	4773884	Score	332
Exons	373..688, 895..1097, 2393..2741, 3113..3226, 7765..7829		
GI Descrip.	(AF076243) putative DNA-binding protein [Arabidopsis thaliana]		
Seq. No.	5210	Seq. ID	OJ990612_30.9B05.C22
Gene No.	10829	Strand	+
Start	373	End	7829
Name	OJ990612_30.9B05.C22.o1.gs	Method	GENSCAN
Start	503	End	5120
GI	none	Score	.57
Exons	503..583, 659..754, 832..868, 892..1097, 2406..2718, 2894..3029, 3113..3226, 5000..5120		
Seq. No.	5210	Seq. ID	OJ990612_30.9B05.C22
Gene No.	10830	Strand	-
Start	6031	End	7827
Name	OJ990612_30.9B05.C22.o1.tc	Method	TBLASTX:Cress
Start	2697	End	7827
GI	none	Score	68
Exons	2697..2744, 3092..3235, 3100..3228, 7761..7826, 7762..7827		
Seq. No.	5210	Seq. ID	OJ990612_30.9B05.C22
Gene No.	10830	Strand	-
Start	6031	End	7827
Name	OJ990612_30.9B05.C22.o1.ts	Method	TBLASTX:Soybean
Start	2697	End	7827
GI	none	Score	68
Exons	2697..2744, 3092..3235, 3100..3228, 7761..7826, 7762..7827		
Seq. No.	5210	Seq. ID	OJ990612_30.9B05.C22
Gene No.	10830	Strand	-
Start	6031	End	7827
Name	OJ990612_30.9B05.C22.o1.tw	Method	TBLASTX:Wheat
Start	3092	End	7827

GI	none	Score	227
Exons	3092..3235, 3100..3228, 3113..3229, 7761..7826, 7762..7827		

Seq. No.	5210	Seq. ID	OJ990612_30.9B05.C22
Gene No.	10830	Strand	-
Start	6031	End	7827
Name	OJ990612_30.9B05.C22.o2.gs	Method	GENSCAN
Start	6031	End	6985
GI	none	Score	.72
Exons	6031..6081, 6192..6338, 6881..6985		

Seq. No.	5211	Seq. ID	OJ990612_30.9B05.C23
Gene No.	10831	Strand	+
Start	92	End	3370
Name	OJ990612_30.9B05.C23.o1.gs	Method	GENSCAN
Start	92	End	3370
GI	none	Score	.61
Exons	92..232, 1739..1863, 2297..2373, 2420..2523, 2891..3370		

Seq. No.	5212	Seq. ID	OJ990612_30.9B05.C24
Gene No.	10832	Strand	+
Start	94	End	249
Name	OJ990612_30.9B05.C24.o1.gs	Method	GENSCAN
Start	94	End	249
GI	none	Score	.43
Exons	94..249		

Seq. No.	5213	Seq. ID	OJ990612_30.9B05.C25
Gene No.	10833	Strand	-
Start	169	End	483
Name	OJ990612_30.9B05.C25.o1.gs	Method	GENSCAN
Start	169	End	483
GI	none	Score	.61
Exons	169..483		

Seq. No.	5214	Seq. ID	OJ990612_30.9B05.C26
Gene No.	10834	Strand	+
Start	674	End	1789
Name	OJ990612_30.9B05.C26.o1.gp	Method	AAT/GAP
Start	674	End	1789
GI	18039-1.R1084	Score	2170
Exons	674..1789		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	5214	Seq. ID	OJ990612_30.9B05.C26
Gene No.	10834	Strand	+
Start	674	End	1789
Name	OJ990612_30.9B05.C26.o1.np	Method	AAT/NAP
Start	684	End	1572
GI	6899926	Score	478
Exons	684..1100, 1126..1572		
GI Descrip.	(AL138651) putative protein [Arabidopsis thaliana]		

Seq. No.	5214	Seq. ID	OJ990612_30.9B05.C26
Gene No.	10834	Strand	+
Start	674	End	1789

Name	OJ990612_30.9B05.C26.o1.gs	Method	GENSCAN
Start	743	End	1560
GI	none	Score	.83
Exons	743..997, 1012..1560		

Seq. No.	5214	Seq. ID	OJ990612_30.9B05.C26
Gene No.	10835	Strand	-
Start	1844	End	7076
Name	OJ990612_30.9B05.C26.o2.tm	Method	TBLASTX:Maize
Start	686	End	841
GI	none	Score	191
Exons	686..841, 691..840		

Seq. No.	5214	Seq. ID	OJ990612_30.9B05.C26
Gene No.	10835	Strand	-
Start	1844	End	7076
Name	OJ990612_30.9B05.C26.o1.tm	Method	TBLASTX:Maize
Start	973	End	1536
GI	none	Score	79
Exons	973..1011, 1008..1091, 1009..1101, 1156..1299, 1309..1536, 1344..1505		

Seq. No.	5214	Seq. ID	OJ990612_30.9B05.C26
Gene No.	10835	Strand	-
Start	1844	End	7076
Name	OJ990612_30.9B05.C26.o1.tw	Method	TBLASTX:Wheat
Start	1252	End	1488
GI	none	Score	50
Exons	1252..1299, 1287..1487, 1309..1488		

Seq. No.	5214	Seq. ID	OJ990612_30.9B05.C26
Gene No.	10835	Strand	-
Start	1844	End	7076
Name	OJ990612_30.9B05.C26.o1.ts	Method	TBLASTX:Soybean
Start	1305	End	1520
GI	none	Score	204
Exons	1305..1418, 1306..1518, 1437..1520		

Seq. No.	5214	Seq. ID	OJ990612_30.9B05.C26
Gene No.	10835	Strand	-
Start	1844	End	7076
Name	OJ990612_30.9B05.C26.o2.gs	Method	GENSCAN
Start	1844	End	7076
GI	none	Score	.64
Exons	1844..1926, 2108..2356, 2496..2704, 2890..3366, 3905..4049, 4190..4302, 4352..4452, 4562..4689, 5644..5827, 6071..6105, 6845..7076		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10836	Strand	+
Start	245	End	14140
Name	OJ990612_30.9B05.C27.o1.gs	Method	GENSCAN
Start	245	End	14140
GI	none	Score	.41
Exons	245..357, 1209..1302, 3163..3406, 3596..3624, 5759..5885, 6639..6751, 7237..7398, 7759..7790, 8048..8645, 8890..9260, 9306..9459, 9631..10249, 10426..10976, 11172..11312,		

11466..12024, 12186..12889, 13030..13366, 13495..13525,
13668..13859, 13887..13952, 14032..14140

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10836	Strand	+
Start	245	End	14140
Name	OJ990612_30.9B05.C27.o1.np	Method	AAT/NAP
Start	8366	End	13468
GI	6498441	Score	4424
Exons	8366..9422, 9759..10206, 10270..10639, 10823..10957, 11132..11804, 11991..13468		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10837	Strand	+
Start	17026	End	18933
Name	OJ990612_30.9B05.C27.o3.gs	Method	GENSCAN
Start	17026	End	18933
GI	none	Score	.68
Exons	17026..17258, 18290..18401, 18466..18565, 18852..18933		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o6.tw	Method	TBLASTX:Wheat
Start	8517	End	8919
GI	none	Score	53
Exons	8517..8564, 8564..8653, 8568..8654, 8683..8919, 8688..8885		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o3.tw	Method	TBLASTX:Wheat
Start	9642	End	10278
GI	none	Score	173
Exons	9642..9815, 9643..9894, 9837..9890, 9894..10154, 9895..10170, 10168..10278		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o1.tw	Method	TBLASTX:Wheat
Start	10279	End	10736
GI	none	Score	78
Exons	10279..10353, 10343..10468, 10344..10469, 10445..10735, 10446..10736		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o1.tm	Method	TBLASTX:Maize
Start	10445	End	10760
GI	none	Score	363
Exons	10445..10750, 10446..10760, 10458..10760		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o2.tm	Method	TBLASTX:Maize
Start	10787	End	11171
GI	none	Score	339
Exons	10787..11044, 10788..11171		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o2.tw	Method	TBLASTX:Wheat
Start	10845	End	11246
GI	none	Score	452
Exons	10845..11246, 10850..11212		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o1.ts	Method	TBLASTX:Soybean
Start	10923	End	11292
GI	none	Score	216
Exons	10923..11246, 11242..11292		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o5.tw	Method	TBLASTX:Wheat
Start	11676	End	12125
GI	none	Score	228
Exons	11676..11900, 11744..11917, 11973..12125, 11984..12124		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o3.np	Method	AAT/NAP
Start	11798	End	16055
GI	6907089	Score	1066
Exons	11798..11954, 14777..15086, 15123..16055		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o2.ts	Method	TBLASTX:Soybean
Start	11799	End	12361
GI	5666795	Score	62
Exons	11799..11897, 11988..12125, 12125..12361		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o7.tw	Method	TBLASTX:Wheat
Start	12137	End	12430
GI	none	Score	214
Exons	12137..12430		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o3.tm	Method	TBLASTX:Maize
Start	12632	End	12955
GI	none	Score	334
Exons	12632..12955, 12724..12945		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o4.tw	Method	TBLASTX:Wheat
Start	12769	End	13163
GI	none	Score	283
Exons	12769..13014, 12770..13015, 13021..13149, 13038..13163, 13044..13118		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o2.np	Method	AAT/NAP
Start	13188	End	16055
GI	6539586	Score	750
Exons	13188..13215, 15099..15537, 15583..16055		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5215	Seq. ID	OJ990612_30.9B05.C27
Gene No.	10838	Strand	-
Start	11798	End	16055
Name	OJ990612_30.9B05.C27.o2.gs	Method	GENSCAN
Start	14169	End	15965
GI	none	Score	.6
Exons	14169..14292, 14777..15302, 15320..15524, 15741..15965		

Seq. No.	5216	Seq. ID	OJ990612_30.9B05.C29
Gene No.	10839	Strand	+
Start	188	End	778
Name	OJ990612_30.9B05.C29.o1.gs	Method	GENSCAN
Start	188	End	778
GI	none	Score	.51
Exons	188..287, 669..778		

Seq. No.	5216	Seq. ID	OJ990612_30.9B05.C29
Gene No.	10839	Strand	+
Start	188	End	778
Name	OJ990612_30.9B05.C29.o1.gp	Method	AAT/GAP
Start	257	End	505
GI	3761181	Score	392
Exons	257..505		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	5216	Seq. ID	OJ990612_30.9B05.C29
Gene No.	10839	Strand	+
Start	188	End	778
Name	OJ990612_30.9B05.C29.o3.gp	Method	AAT/GAP

Start	514	End	614
GI	5816518	Score	143
Exons	514..614		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	5216	Seq. ID	OJ990612_30.9B05.C29
Gene No.	10840	Strand	-
Start	313	End	1240
Name	OJ990612_30.9B05.C29.o2.gp	Method	AAT/GAP
Start	313	End	1240
GI	72524_1.R1084	Score	411
Exons	313..614, 1216..1240		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5217	Seq. ID	OJ990612_30.9B05.C30
Gene No.	10841	Strand	-
Start	1075	End	4468
Name	OJ990612_30.9B05.C30.o1.np	Method	AAT/NAP
Start	1075	End	4468
GI	5091513	Score	1871
Exons	1075..1141, 1859..2050, 2189..3269, 3738..4468		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5218	Seq. ID	OJ990612_30.9B05.C31
Gene No.	10842	Strand	+
Start	1	End	2718
Name	OJ990612_30.9B05.C31.o1.np	Method	AAT/NAP
Start	1	End	2718
GI	4584539	Score	102
Exons	1..45, 1324..1526, 1674..2063, 2679..2718		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	5218	Seq. ID	OJ990612_30.9B05.C31
Gene No.	10842	Strand	+
Start	1	End	2718
Name	OJ990612_30.9B05.C31.o1.gs	Method	GENSCAN
Start	117	End	1996
GI	none	Score	.5
Exons	117..414, 1319..1526, 1830..1996		

Seq. No.	5218	Seq. ID	OJ990612_30.9B05.C31
Gene No.	10843	Strand	-
Start	384	End	758
Name	OJ990612_30.9B05.C31.o1.gp	Method	AAT/GAP
Start	384	End	632
GI	3761181	Score	395
Exons	384..632		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	5218	Seq. ID	OJ990612_30.9B05.C31
Gene No.	10843	Strand	-
Start	384	End	758
Name	OJ990612_30.9B05.C31.o2.gp	Method	AAT/GAP
Start	440	End	758

GI	72524_1.R1084	Score	426
Exons	440..758		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5219	Seq. ID	OJ990612_30.9B05.C32
Gene No.	10844	Strand	+
Start	103	End	544
Name	OJ990612_30.9B05.C32.o1.gs	Method	GENSCAN
Start	103	End	544
GI	none	Score	.82
Exons	103..159, 452..544		

Seq. No.	5219	Seq. ID	OJ990612_30.9B05.C32
Gene No.	10845	Strand	-
Start	987	End	1222
Name	OJ990612_30.9B05.C32.o2.gs	Method	GENSCAN
Start	987	End	1222
GI	none	Score	.47
Exons	987..1222		

Seq. No.	5220	Seq. ID	OJ990612_30.9B05.C33
Gene No.	10846	Strand	-
Start	1760	End	5162
Name	OJ990612_30.9B05.C33.o1.np	Method	AAT/NAP
Start	1760	End	5162
GI	1076211	Score	130
Exons	1760..1880, 1928..2259, 3335..3446, 3977..4057, 5129..5162		
GI Descrip.	hypothetical protein VSP-3 - Chlamydomonas reinhardtii gi|530876 (L29029) amino acid feature: Rod protein domain, aa 266 .. 468; amino acid feature: globular protein domain, aa 32 .. 265 [Chlamydomonas reinhardtii]		

Seq. No.	5221	Seq. ID	OJ990612_30.9B05.C36
Gene No.	10847	Strand	+
Start	249	End	735
Name	OJ990612_30.9B05.C36.o1.gs	Method	GENSCAN
Start	249	End	735
GI	none	Score	.62
Exons	249..326, 719..735		

Seq. No.	5222	Seq. ID	OJ990612_30.9B05.C39
Gene No.	10848	Strand	-
Start	315	End	516
Name	OJ990612_30.9B05.C39.o1.gs	Method	GENSCAN
Start	315	End	516
GI	none	Score	.65
Exons	315..389, 394..516		

Seq. No.	5223	Seq. ID	OJ990612_30.9B05.C40
Gene No.	10849	Strand	+
Start	100	End	332
Name	OJ990612_30.9B05.C40.o1.gs	Method	GENSCAN
Start	100	End	332
GI	none	Score	.81
Exons	100..332		

Seq. No.	5223	Seq. ID	OJ990612_30.9B05.C40
Gene No.	10850	Strand	-
Start	1	End	379
Name	OJ990612_30.9B05.C40.o1.np	Method	AAT/NAP
Start	1	End	379
GI	6689616	Score	115
Exons	1..379		
GI Descrip.	(AJ012301) proline-rich protein [Zea mays]		

Seq. No.	5224	Seq. ID	OJ990612_30.9B05.C41
Gene No.	10851	Strand	-
Start	1	End	870
Name	OJ990612_30.9B05.C41.o1.np	Method	AAT/NAP
Start	1	End	870
GI	5091513	Score	1259
Exons	1..870		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5224	Seq. ID	OJ990612_30.9B05.C41
Gene No.	10851	Strand	-
Start	1	End	870
Name	OJ990612_30.9B05.C41.o1.gs	Method	GENSCAN
Start	173	End	703
GI	none	Score	.99
Exons	173..703		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o5.tm	Method	TBLASTX:Maize
Start	5887	End	13379
GI	none	Score	63
Exons	5887..5982, 5897..5998, 5899..5982, 5982..6089, 5984..6088, 6039..6089, 6084..6410, 6085..6408, 6091..6411, 12853..12948, 12855..12950, 12867..12950, 12952..13056, 13004..13057, 13052..13378, 13053..13376, 13059..13379		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o1.np	Method	AAT/NAP
Start	6577	End	12313
GI	6705984	Score	4742
Exons	6577..7950, 8117..11017, 11044..11311, 12179..12313		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o4.tm	Method	TBLASTX:Maize
Start	6601	End	6847
GI	none	Score	214
Exons	6601..6846, 6602..6847		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379

Name	OJ990502_27.9B05.C1.o1.tw	Method	TBLASTX:Wheat
Start	6766	End	7164
GI	none	Score	319
Exons	6766..7164, 6776..7162		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o7.tm	Method	TBLASTX:Maize
Start	7003	End	7296
GI	none	Score	83
Exons	7003..7296, 7148..7288		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o2.tw	Method	TBLASTX:Wheat
Start	7195	End	7554
GI	none	Score	254
Exons	7195..7554, 7202..7549, 7204..7554		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o4.ts	Method	TBLASTX:Soybean
Start	7231	End	7584
GI	none	Score	67
Exons	7231..7413, 7426..7500, 7519..7584		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	7299	End	7648
GI	none	Score	324
Exons	7299..7637, 7303..7647, 7304..7648		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o1.tc	Method	TBLASTX:Cress
Start	7366	End	7740
GI	none	Score	277
Exons	7366..7740, 7367..7693		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o4.tw	Method	TBLASTX:Wheat
Start	7681	End	8273
GI	none	Score	227
Exons	7681..7950, 7682..7948, 8051..8260, 8103..8273, 8108..8272		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o5.ts	Method	TBLASTX:Soybean

Start	7690	End	7932
GI	none	Score	83
Exons	7690..7746, 7759..7932, 7766..7927		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o2.ts	Method	TBLASTX:Soybean
Start	8193	End	8452
GI	none	Score	180
Exons	8193..8423, 8195..8452		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o2.tm	Method	TBLASTX:Maize
Start	8210	End	8737
GI	none	Score	136
Exons	8210..8737, 8292..8672		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o7.tw	Method	TBLASTX:Wheat
Start	8360	End	8761
GI	none	Score	78
Exons	8360..8761, 8525..8704		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o1.ts	Method	TBLASTX:Soybean
Start	8486	End	8833
GI	none	Score	128
Exons	8486..8833, 8487..8717		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o3.tm	Method	TBLASTX:Maize
Start	8756	End	9223
GI	none	Score	148
Exons	8756..9223, 8787..9089, 8849..9175		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o5.tw	Method	TBLASTX:Wheat
Start	8810	End	9292
GI	none	Score	152
Exons	8810..9292, 8811..9188		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o6.tm	Method	TBLASTX:Maize
Start	9248	End	9448

GI	none	Score	159
Exons	9248..9391, 9255..9392, 9325..9408, 9404..9448		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o3.tw	Method	TBLASTX:Wheat
Start	9602	End	10093
GI	none	Score	116
Exons	9602..9778, 9608..9811, 9772..9810, 9818..10093, 9846..10073		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o3.ts	Method	TBLASTX:Soybean
Start	9633	End	10042
GI	none	Score	72
Exons	9633..9761, 9635..9763, 9807..9827, 9815..10042, 9816..9977		

Seq. No.	5225	Seq. ID	OJ990502_27.9B05.C1
Gene No.	10852	Strand	-
Start	6577	End	13379
Name	OJ990502_27.9B05.C1.o6.tw	Method	TBLASTX:Wheat
Start	10466	End	10958
GI	none	Score	95
Exons	10466..10894, 10535..10783, 10569..10808, 10878..10958		

Seq. No.	5226	Seq. ID	OJ990502_27.9B05.C2
Gene No.	10853	Strand	+
Start	1	End	838
Name	OJ990502_27.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	838
GI	3777527	Score	299
Exons	1..353, 513..838		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	5226	Seq. ID	OJ990502_27.9B05.C2
Gene No.	10853	Strand	+
Start	1	End	838
Name	OJ990502_27.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	328
GI	none	Score	202
Exons	1..180, 2..181, 176..328		

Seq. No.	5226	Seq. ID	OJ990502_27.9B05.C2
Gene No.	10853	Strand	+
Start	1	End	838
Name	OJ990502_27.9B05.C2.o1.gs	Method	GENSCAN
Start	78	End	643
GI	none	Score	.58
Exons	78..643		

Seq. No.	5227	Seq. ID	OJ990502_27.9B05.C3
Gene No.	10854	Strand	+
Start	1	End	729
Name	OJ990502_27.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	729

GI	4416302	Score	733
Exons	1..729		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	5227	Seq. ID	OJ990502_27.9B05.C3
Gene No.	10854	Strand	+
Start	1	End	729
Name	OJ990502_27.9B05.C3.o1.gs	Method	GENSCAN
Start	149	End	729
GI	none	Score	.83
Exons	149..729		

Seq. No.	5227	Seq. ID	OJ990502_27.9B05.C3
Gene No.	10855	Strand	+
Start	1935	End	10370
Name	OJ990502_27.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	94	End	738
GI	none	Score	258
Exons	94..459, 174..416, 478..738, 492..662		

Seq. No.	5227	Seq. ID	OJ990502_27.9B05.C3
Gene No.	10855	Strand	+
Start	1935	End	10370
Name	OJ990502_27.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	96	End	708
GI	none	Score	656
Exons	96..677, 97..708, 340..693		

Seq. No.	5227	Seq. ID	OJ990502_27.9B05.C3
Gene No.	10855	Strand	+
Start	1935	End	10370
Name	OJ990502_27.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	208	End	663
GI	none	Score	119
Exons	208..468, 487..663		

Seq. No.	5227	Seq. ID	OJ990502_27.9B05.C3
Gene No.	10855	Strand	+
Start	1935	End	10370
Name	OJ990502_27.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	343	End	708
GI	none	Score	90
Exons	343..474, 463..708, 495..656		

Seq. No.	5227	Seq. ID	OJ990502_27.9B05.C3
Gene No.	10855	Strand	+
Start	1935	End	10370
Name	OJ990502_27.9B05.C3.o2.np	Method	AAT/NAP
Start	1935	End	10370
GI	6539588	Score	228
Exons	1935..1958, 5018..5304, 10295..10370		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5228	Seq. ID	OJ990502_27.9B05.C4
Gene No.	10856	Strand	+
Start	1817	End	9113
Name	OJ990502_27.9B05.C4.o1.gs	Method	GENSCAN

Start	1817	End	9113
GI	none	Score	.58
Exons	1817..1859, 4097..4370, 4628..5105, 7132..7368, 7477..7698, 7784..8135, 8228..8448, 8811..8887, 8978..9113		

Seq. No.	5228	Seq. ID	OJ990502_27.9B05.C4
Gene No.	10856	Strand	+
Start	1817	End	9113
Name	OJ990502_27.9B05.C4.o2.np	Method	AAT/NAP
Start	7477	End	8875
GI	5052976	Score	63
Exons	7477..7625, 8834..8875		
GI Descrip.	(AF153444) hnRNP A/B related protein [Felis catus]		

Seq. No.	5228	Seq. ID	OJ990502_27.9B05.C4
Gene No.	10857	Strand	-
Start	4543	End	5066
Name	OJ990502_27.9B05.C4.o1.np	Method	AAT/NAP
Start	4543	End	5066
GI	81286	Score	258
Exons	4543..5066		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	5228	Seq. ID	OJ990502_27.9B05.C4
Gene No.	10858	Strand	
Start	6955	End	7698
Name	OJ990502_27.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	6955	End	7698
GI	none	Score	71
Exons	6955..7041, 7125..7328, 7132..7332, 7474..7698, 7489..7659		

Seq. No.	5228	Seq. ID	OJ990502_27.9B05.C4
Gene No.	10858	Strand	
Start	6955	End	7698
Name	OJ990502_27.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	7177	End	7698
GI	none	Score	95
Exons	7177..7341, 7179..7346, 7337..7369, 7474..7698		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10859	Strand	+
Start	5210	End	5377
Name	OJ990502_27.9B05.C5.o1.gp	Method	AAT/GAP
Start	5210	End	5377
GI	LIB3433-050-P1-K1-D2	Score	298
Exons	5210..5377		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-12 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10860	Strand	+
Start	6222	End	6879
Name	OJ990502_27.9B05.C5.o2.gs	Method	GENSCAN
Start	6222	End	6879
GI	none	Score	.58
Exons	6222..6567, 6758..6879		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10861	Strand	+
Start	28426	End	33178
Name	OJ990502_27.9B05.C5.o4.gp	Method	AAT/GAP
Start	26479	End	30823
GI	none	Score	870
Exons	26479..26603, 29209..29323, 29403..29569, 30749..30823		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10861	Strand	+
Start	28426	End	33178
Name	OJ990502_27.9B05.C5.o4.gs	Method	GENSCAN
Start	28426	End	33178
GI	none	Score	.61
Exons	28426..28505, 29366..29571, 30750..30878, 31818..31930, 32993..33178		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10861	Strand	+
Start	28426	End	33178
Name	OJ990502_27.9B05.C5.o3.np	Method	AAT/NAP
Start	29433	End	30947
GI	4929677	Score	234
Exons	29433..29571, 30750..30947		
GI Descrip.	(AF151862) CGI-104 protein [Homo sapiens] gi|5531839|gb|AAD44494.1| (AF078862) PTD009 [Homo sapiens] gi|6650543|gb|AAF21897.1|AF105025_1 (AF105025) unknown [Homo sapiens] gi|6841564|gb|AAF29135.1|AF161520_1 (AF161520) HSPC172 [Homo sapiens]		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10861	Strand	+
Start	28426	End	33178
Name	OJ990502_27.9B05.C5.o4.np	Method	AAT/NAP
Start	29832	End	32120
GI	4539423	Score	144
Exons	29832..29934, 30995..31038, 31407..31459, 31792..31930, 32066..32120		
GI Descrip.	(AL049171) pyrophosphate-dependent phosphofructo-1-kinase [Arabidopsis thaliana]		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10862	Strand	-
Start	1374	End	4865
Name	OJ990502_27.9B05.C5.o1.gs	Method	GENSCAN
Start	1374	End	4865
GI	none	Score	.44
Exons	1374..1587, 1700..2011, 2284..2420, 2459..2662, 3476..3612, 4859..4865		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10863	Strand	-
Start	7113	End	23984
Name	OJ990502_27.9B05.C5.o3.gs	Method	GENSCAN
Start	7113	End	23984
GI	none	Score	.66

Exons	7113..7235, 7414..7499, 8253..8428, 8933..9081, 9213..9412, 9826..10078, 10222..10573, 11249..11342, 12191..12403, 12473..12619, 12990..13162, 14334..14396, 15083..15214, 15304..17057, 19060..19186, 20360..20479, 20780..21126, 21369..21578, 22825..22994, 23100..23222, 23915..23984		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10863	Strand	-
Start	7113	End	23984
Name	OJ990502_27.9B05.C5.o1.np	Method	AAT/NAP
Start	8125	End	11523
GI	4006861	Score	1070
Exons	8125..8570, 8961..9077, 9167..9412, 9826..10078, 10222..10573, 11197..11284, 11387..11523		
GI Descrip.	(Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10863	Strand	-
Start	7113	End	23984
Name	OJ990502_27.9B05.C5.o2.gp	Method	AAT/GAP
Start	9051	End	10303
GI	428723	Score	663
Exons	9051..9081, 9170..9412, 10222..10303		
GI Descrip.	4006861/emb|CAB16779.1| 3.0e-15 (Z99707) tubulin-like protein [Arabidopsis thaliana]		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10863	Strand	-
Start	7113	End	23984
Name	OJ990502_27.9B05.C5.o3.gp	Method	AAT/GAP
Start	18554	End	18783
GI	none	Score	340
Exons	18554..18783		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10864	Strand	-
Start	30822	End	31199
Name	OJ990502_27.9B05.C5.o5.gp	Method	AAT/GAP
Start	30822	End	31199
GI	none	Score	704
Exons	30822..31199		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950
Name	OJ990502_27.9B05.C5.o1.tc	Method	TBLASTX:Cress
Start	8108	End	8503
GI	none	Score	214
Exons	8108..8503, 8116..8502		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950
Name	OJ990502_27.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	8137	End	8494
GI	none	Score	186
Exons	8137..8493, 8153..8494		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950
Name	OJ990502_27.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	8191	End	9303
GI	none	Score	198
Exons	8191..8397, 8192..8392, 8398..8571, 8399..8572, 8959..9069, 8961..9065, 8974..9069, 9171..9302, 9171..9302, 9172..9303		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950
Name	OJ990502_27.9B05.C5.o3.tm	Method	TBLASTX:Maize
Start	9832	End	10389
GI	none	Score	72
Exons	9832..9921, 9833..9943, 9837..9944, 9918..10079, 9938..10081, 9939..10079, 9940..10080, 10222..10389, 10226..10384		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950
Name	OJ990502_27.9B05.C5.o2.tm	Method	TBLASTX:Maize
Start	29243	End	29572
GI	none	Score	108
Exons	29243..29323, 29248..29325, 29252..29323, 29388..29561, 29392..29571, 29400..29570, 29402..29572		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950
Name	OJ990502_27.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	29264	End	29572
GI	none	Score	94
Exons	29264..29323, 29266..29325, 29388..29561, 29402..29572		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950
Name	OJ990502_27.9B05.C5.o4.tm	Method	TBLASTX:Maize
Start	30757	End	30947
GI	none	Score	281
Exons	30757..30945, 30758..30946, 30759..30947		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950
Name	OJ990502_27.9B05.C5.o6.gs	Method	GENSCAN
Start	42018	End	47950
GI	none	Score	.58
Exons	42018..42214, 42373..42439, 42831..43151, 43190..43314, 43609..43826, 44563..44594, 45595..45747, 47552..47671, 47753..47950		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950

Name	OJ990502_27.9B05.C5.o6.gp	Method	AAT/GAP
Start	42550	End	43461
GI	31877_1.R1084	Score	221
Exons	42550..42628, 42762..42836, 43426..43461		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	5229	Seq. ID	OJ990502_27.9B05.C5
Gene No.	10865	Strand	-
Start	42018	End	47950
Name	OJ990502_27.9B05.C5.o7.gp	Method	AAT/GAP
Start	45241	End	47866
GI	none	Score	922
Exons	45241..45354, 45595..45747, 47552..47671, 47753..47866		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10866	Strand	+
Start	4182	End	4633
Name	OJ990502_25.9B12.C1.o1.gp	Method	AAT/GAP
Start	4182	End	4633
GI	uC-osrocyp037f08a1	Score	900
Exons	4182..4633		
GI Descrip.	'4056486 8.0e-36 (AC005896) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10867	Strand	+
Start	7544	End	23302
Name	OJ990502_25.9B12.C1.o3.gs	Method	GENSCAN
Start	7544	End	14493
GI	none	Score	.63
Exons	7544..7655, 7682..7884, 8123..8293, 8517..8638, 8710..8826, 9770..10035, 10238..10410, 10446..10640, 10664..10785, 12298..12491, 12692..12847, 12926..13036, 13571..14493		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10867	Strand	+
Start	7544	End	23302
Name	OJ990502_25.9B12.C1.o2.np	Method	AAT/NAP
Start	7567	End	22955
GI	5305335	Score	226
Exons	7567..7814, 9645..9761, 10143..10289, 10497..10747, 12331..12600, 12747..12978, 18909..19487, 19581..19680, 22161..22300, 22774..22955		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10867	Strand	+
Start	7544	End	23302
Name	OJ990502_25.9B12.C1.o6.gs	Method	GENSCAN
Start	21504	End	22621
GI	none	Score	.66
Exons	21504..21685, 22087..22621		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10867	Strand	+

Start	7544	End	23302
Name	OJ990502_25.9B12.C1.o7.gs	Method	GENSCAN
Start	22780	End	23302
GI	none	Score	.64
Exons	22780..22917, 22994..23302		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10868	Strand	+
Start	31824	End	33057
Name	OJ990502_25.9B12.C1.o10.gs	Method	GENSCAN
Start	31824	End	33057
GI	none	Score	.67
Exons	31824..31873, 31918..32113, 32135..32339, 33005..33057		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10869	Strand	+
Start	33794	End	38883
Name	OJ990502_25.9B12.C1.o5.np	Method	AAT/NAP
Start	33794	End	38883
GI	6321874	Score	66
Exons	33794..33844, 36414..36553, 38817..38883		
GI Descrip.	Ser/Thr protein kinase; Ksp1p gi|729911|sp|P38691|KSP1_YEAST SERINE/THREONINE-PROTEIN KINASE KSP1 gi|2133131|pir||S64731 serine/threonine-specific kinase KSP1 (EC 2.7.1.-) - yeast (Saccharomyces cerevisiae) gi|500839 (U10556) Yhr082cp [Saccharomyces cerevisiae] gi|516233|emb|CAA56578| (X80329) Kinase suppressing prp20-10 [Saccharomyces cerevisiae]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10870	Strand	+
Start	40952	End	42589
Name	OJ990502_25.9B12.C1.o6.np	Method	AAT/NAP
Start	40952	End	42589
GI	2586082	Score	1170
Exons	40952..42589		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10871	Strand	+
Start	46272	End	55986
Name	OJ990502_25.9B12.C1.o12.gs	Method	GENSCAN
Start	46272	End	55986
GI	none	Score	.56
Exons	46272..46413, 47836..48592, 50008..50122, 50235..50490, 50578..50812, 50922..51081, 51194..51334, 51846..51881, 52643..53012, 53319..53407, 53555..53647, 53728..53898, 53990..54314, 54401..54469, 55202..55287, 55873..55986		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10871	Strand	+
Start	46272	End	55986
Name	OJ990502_25.9B12.C1.o7.np	Method	AAT/NAP
Start	50046	End	51923
GI	4530126	Score	269
Exons	50046..50129, 50239..50389, 50438..50477, 50565..50812, 50922..51081, 51203..51383, 51789..51923		
GI Descrip.	(AF078082) receptor-like protein kinase homolog RK20-1		

[Phaseolus vulgaris]

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10872	Strand	+
Start	66526	End	87518
Name	OJ990502_25.9B12.C1.o12.np	Method	AAT/NAP
Start	66526	End	87387
GI	3176659	Score	325
Exons	66526..66549, 78904..79039, 83631..83795, 83923..84204, 84577..84780, 84892..85014, 87247..87387		
GI Descrip.	(AC004393) Strong similarity to receptor kinase gb|M80238 from A. thaliana. [Arabidopsis thaliana] gi|6382534|gb|AAF07816.1|AC011020_16 (AC011020) putative receptor protein kinase [Arabidopsis thaliana]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10872	Strand	+
Start	66526	End	87518
Name	OJ990502_25.9B12.C1.o15.gs	Method	GENSCAN
Start	68111	End	68434
GI	none	Score	.95
Exons	68111..68434		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10872	Strand	+
Start	66526	End	87518
Name	OJ990502_25.9B12.C1.o17.gs	Method	GENSCAN
Start	73659	End	87516
GI	none	Score	.48
Exons	73659..73697, 74066..74147, 74393..78295, 78462..78596, 78841..78886, 80660..80837, 81046..81135, 81194..81463, 81520..81667, 81775..82043, 83627..83882, 83973..84204, 84577..84730, 84851..85072, 87106..87516		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10872	Strand	+
Start	66526	End	87518
Name	OJ990502_25.9B12.C1.o11.np	Method	AAT/NAP
Start	74431	End	78411
GI	4388818	Score	2714
Exons	74431..78411		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10872	Strand	+
Start	66526	End	87518
Name	OJ990502_25.9B12.C1.o13.np	Method	AAT/NAP
Start	87112	End	87518
GI	4895238	Score	227
Exons	87112..87518		
GI Descrip.	(AC007659) putative VAMP-associated protein [Arabidopsis thaliana]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10873	Strand	+
Start	88346	End	93658

Name	OJ990502_25.9B12.C1.o18.gs	Method	GENSCAN
Start	88346	End	92972
GI	none	Score	.57
Exons	88346..88394, 89597..89784, 90495..90719, 91625..91729, 92460..92972		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10873	Strand	+
Start	88346	End	93658
Name	OJ990502_25.9B12.C1.o14.np	Method	AAT/NAP
Start	92269	End	93658
GI	6907086	Score	1072
Exons	92269..93000, 93060..93302, 93533..93580, 93606..93658		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10874	Strand	-
Start	152	End	2651
Name	OJ990502_25.9B12.C1.o1.gs	Method	GENSCAN
Start	152	End	2651
GI	none	Score	.81
Exons	152..510, 2265..2286, 2411..2651		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10875	Strand	-
Start	4621	End	6231
Name	OJ990502_25.9B12.C1.o2.gs	Method	GENSCAN
Start	4621	End	6231
GI	none	Score	.87
Exons	4621..6231		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10875	Strand	-
Start	4621	End	6231
Name	OJ990502_25.9B12.C1.o1.np	Method	AAT/NAP
Start	4651	End	5797
GI	4056486	Score	971
Exons	4651..5797		
GI Descrip.	(AC005896) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10875	Strand	-
Start	4621	End	6231
Name	OJ990502_25.9B12.C1.o2.gp	Method	AAT/GAP
Start	4754	End	5092
GI	3107861	Score	652
Exons	4754..5092		
GI Descrip.	4056486 8.0e-36 (AC005896) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10876	Strand	-
Start	6307	End	7861
Name	OJ990502_25.9B12.C1.o3.gp	Method	AAT/GAP
Start	6307	End	7861
GI	none	Score	966
Exons	6307..6387, 7438..7861		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10877	Strand	-
Start	16066	End	19426
Name	OJ990502_25.9B12.C1.o4.gp	Method	AAT/GAP
Start	16066	End	18392
GI	57287_1.R1084	Score	1170
Exons	16066..16418, 16834..16934, 17026..17115, 17256..17346, 18351..18392		
GI Descrip.	'3822036 2.0e-29 (AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]'		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10877	Strand	-
Start	16066	End	19426
Name	OJ990502_25.9B12.C1.o4.gs	Method	GENSCAN
Start	16278	End	19426
GI	none	Score	.84
Exons	16278..16418, 16834..16934, 17026..17115, 17256..17346, 18351..18468, 19065..19197, 19324..19426		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10878	Strand	-
Start	24173	End	27582
Name	OJ990502_25.9B12.C1.o8.gs	Method	GENSCAN
Start	24173	End	27582
GI	none	Score	.85
Exons	24173..24313, 24782..24882, 25010..25099, 25253..25343, 25687..25810, 27243..27264, 27336..27582		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10878	Strand	-
Start	24173	End	27582
Name	OJ990502_25.9B12.C1.o4.np	Method	AAT/NAP
Start	24778	End	25827
GI	3822036	Score	255
Exons	24778..24882, 25010..25094, 25248..25343, 25687..25827		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10879	Strand	-
Start	55775	End	59904
Name	OJ990502_25.9B12.C1.o8.np	Method	AAT/NAP
Start	55775	End	58884
GI	6539581	Score	685
Exons	55775..55794, 57182..57434, 57510..57799, 57881..58333, 58421..58884		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10879	Strand	-
Start	55775	End	59904
Name	OJ990502_25.9B12.C1.o9.np	Method	AAT/NAP
Start	55974	End	59384
GI	4467124	Score	726
Exons	55974..56019, 57178..57434, 57510..57797, 57876..58333,		

58421..59130, 59189..59384
GI Descrip. (AL035538) hypothetical protein [Arabidopsis thaliana]

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10879	Strand	-
Start	55775	End	59904
Name	OJ990502_25.9B12.C1.o13.gs	Method	GENSCAN
Start	56733	End	59904
GI	none	Score	.76
Exons	56733..57305, 57597..57797, 57876..58333, 58421..58644, 58724..59115, 59208..59430, 59528..59602, 59684..59758, 59837..59904		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o8.tm	Method	TBLASTX:Maize
Start	187	End	25346
GI	none	Score	67
Exons	187..243, 192..245, 16826..16939, 16831..16938, 16836..16940, 17018..17125, 17019..17123, 17254..17283, 17284..17349, 18324..18434, 18349..18432, 24774..24887, 24776..24898, 25006..25098, 25008..25109, 25008..25106, 25251..25280, 25281..25346		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o13.tm	Method	TBLASTX:Maize
Start	4717	End	4990
GI	none	Score	123
Exons	4717..4989, 4730..4990		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o6.ts	Method	TBLASTX:Soybean
Start	4717	End	5103
GI	none	Score	120
Exons	4717..5103, 4760..4993		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o4.tc	Method	TBLASTX:Cress
Start	4768	End	5094
GI	none	Score	90
Exons	4768..5094, 4775..4993		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	5002	End	5832
GI	none	Score	38
Exons	5002..5055, 5002..5022, 5019..5198, 5020..5202, 5026..5202, 5060..5203, 5108..5548, 5203..5556, 5205..5348, 5209..5553,		

5388..5555, 5515..5832

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o12.tw	Method	TBLASTX:Wheat
Start	5101	End	5808
GI	none	Score	129
Exons	5101..5535, 5105..5497, 5428..5808		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o2.tc	Method	TBLASTX:Cress
Start	5101	End	5808
GI	none	Score	79
Exons	5101..5211, 5203..5646, 5263..5556, 5458..5508, 5506..5745, 5515..5808, 5515..5736, 5564..5737		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o8.ts	Method	TBLASTX:Soybean
Start	5158	End	5805
GI	none	Score	79
Exons	5158..5514, 5222..5386, 5227..5388, 5440..5805		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o12.tm	Method	TBLASTX:Maize
Start	10915	End	11868
GI	none	Score	35
Exons	10915..11052, 10937..11023, 10948..11070, 10984..11022, 11056..11184, 11074..11169, 11074..11145, 11076..11186, 11077..11175, 11079..11162, 11088..11189, 11090..11173, 11203..11331, 11216..11329, 11221..11331, 11225..11329, 11225..11332, 11225..11332, 11225..11332, 11231..11332, 11241..11339, 11244..11339, 11244..11339, 11346..11378, 11388..11465, 11396..11458, 11396..11554, 11397..11537, 11401..11544, 11402..11548, 11405..11545, 11407..11544, 11410..11538, 11420..11539, 11439..11564, 11443..11538, 11449..11553, 11577..11702, 11584..11703, 11584..11709, 11586..11666, 11593..11700, 11594..11701, 11604..11669, 11611..11694, 11612..11713, 11618..11704, 11722..11835, 11724..11840, 11725..11832, 11733..11837, 11738..11836, 11741..11839, 11749..11868, 11763..11840		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o9.tw	Method	TBLASTX:Wheat
Start	41097	End	77040
GI	none	Score	61
Exons	41097..41156, 41160..41234, 76779..77039, 76789..77040		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1

Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o9.tm	Method	TBLASTX:Maize
Start	41106	End	77163
GI	none	Score	54
Exons	41106..41156, 41126..41365, 41154..41378, 76912..77037, 77047..77163		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o7.tc	Method	TBLASTX:Cress
Start	41190	End	77253
GI	none	Score	227
Exons	41190..41465, 41234..41437, 76981..77019, 77047..77253, 77052..77219		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o2.tw	Method	TBLASTX:Wheat
Start	41247	End	77829
GI	none	Score	259
Exons	41247..41591, 41303..41374, 41462..41590, 41582..41782, 41583..41792, 41811..41936, 77050..77379, 77052..77363, 77395..77829, 77697..77828		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o2.ts	Method	TBLASTX:Soybean
Start	41283	End	77460
GI	none	Score	231
Exons	41283..41621, 41462..41566, 41607..41675, 77071..77460, 77082..77363, 77209..77412		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o3.tm	Method	TBLASTX:Maize
Start	41378	End	77580
GI	none	Score	511
Exons	41378..41791, 41379..41825, 41379..41825, 41380..41826, 77166..77357, 77167..77580		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o4.tm	Method	TBLASTX:Maize
Start	41832	End	77943
GI	none	Score	51
Exons	41832..41867, 41834..41866, 41873..41986, 41874..41987, 41883..41987, 41986..42174, 41990..42178, 41990..42178, 41991..42179, 77653..77742, 77800..77943		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-

Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o3.ts	Method	TBLASTX:Soybean
Start	41990	End	78399
GI	none	Score	261
Exons	41990..42298, 42148..42312, 42299..42538, 42319..42450, 77791..77904, 77818..77898, 77950..78159, 78009..78182, 78178..78399, 78237..78281		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o8.tc	Method	TBLASTX:Cress
Start	41996	End	78405
GI	none	Score	73
Exons	41996..42109, 42227..42292, 42344..42451, 77803..77910, 77926..78030, 78040..78177, 78181..78405		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o8.tw	Method	TBLASTX:Wheat
Start	42146	End	78378
GI	none	Score	79
Exons	42146..42301, 42362..42436, 77925..78140, 77956..78174, 78178..78378, 78189..78377		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o2.tm	Method	TBLASTX:Maize
Start	42182	End	78405
GI	none	Score	99
Exons	42182..42301, 42362..42553, 77983..78405, 78009..78404		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o4.ts	Method	TBLASTX:Soybean
Start	50030	End	84649
GI	none	Score	89
Exons	50030..50122, 50041..50121, 50244..50396, 50436..50486, 50601..50663, 50676..50828, 50684..50890, 50926..51060, 51254..51349, 78940..79032, 83636..83794, 83990..84181, 84563..84649		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o10.tc	Method	TBLASTX:Cress
Start	50235	End	84160
GI	none	Score	77
Exons	50235..50378, 50604..50675, 50673..50765, 50926..51018, 83696..83794, 83816..83899, 83990..84160, 84082..84159		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672

Name	OJ990502_25.9B12.C1.o7.tw	Method	TBLASTX:Wheat
Start	50265	End	84672
GI	none	Score	151
Exons	50265..50486, 50601..50666, 50672..50806, 50673..50810, 50926..51018, 50928..51017, 83647..83871, 83675..83866, 83990..84055, 84041..84181, 84058..84159, 84068..84175, 84069..84176, 84551..84649, 84565..84672		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o10.tm	Method	TBLASTX:Maize
Start	50442	End	84193
GI	none	Score	57
Exons	50442..50486, 50446..50478, 50534..50674, 50574..50675, 50586..50684, 50658..50759, 50660..50764, 50661..50765, 83834..83884, 83835..83885, 83836..83886, 83964..84149, 83992..84192, 83992..84162, 83993..84193		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o14.tm	Method	TBLASTX:Maize
Start	57882	End	58220
GI	none	Score	201
Exons	57882..58220		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o5.tw	Method	TBLASTX:Wheat
Start	57972	End	58493
GI	none	Score	114
Exons	57972..58337, 57975..58340, 58422..58493		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o1.ts	Method	TBLASTX:Soybean
Start	58014	End	58668
GI	none	Score	149
Exons	58014..58334, 58422..58667, 58423..58668		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o5.tm	Method	TBLASTX:Maize
Start	58221	End	58727
GI	none	Score	58
Exons	58221..58346, 58237..58326, 58422..58625, 58422..58727, 58423..58626, 58523..58630		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o5.tc	Method	TBLASTX:Cress
Start	58383	End	58754

GI	none	Score	87
Exons	58383..58754, 58422..58664, 58423..58674		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o10.tw	Method	TBLASTX:Wheat
Start	66397	End	66798
GI	none	Score	51
Exons	66397..66567, 66398..66568, 66557..66697, 66562..66798, 66604..66792		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o10.np	Method	AAT/NAP
Start	69159	End	71912
GI	4680203	Score	2653
Exons	69159..71912		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o1.tw	Method	TBLASTX:Wheat
Start	69213	End	70332
GI	none	Score	52
Exons	69213..69305, 69214..69279, 69294..69341, 69335..69373, 69342..69374, 69378..69458, 69387..69476, 69398..69481, 69400..69477, 69477..69563, 69477..69521, 69500..69559, 69566..69610, 69567..69611, 69570..69611, 69605..70324, 69621..70316, 70057..70332		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o16.gs	Method	GENSCAN
Start	69320	End	71912
GI	none	Score	.61
Exons	69320..69541, 69557..70174, 70371..71912		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o1.tc	Method	TBLASTX:Cress
Start	69788	End	70235
GI	none	Score	106
Exons	69788..69931, 69788..70231, 69792..70235, 69798..70235		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o10.ts	Method	TBLASTX:Soybean
Start	70416	End	70658
GI	none	Score	207
Exons	70416..70658		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o6.tm	Method	TBLASTX:Maize
Start	70488	End	70944
GI	none	Score	88
Exons	70488..70682, 70692..70934, 70693..70944		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o3.tw	Method	TBLASTX:Wheat
Start	70522	End	70991
GI	none	Score	156
Exons	70522..70728, 70527..70751, 70729..70821, 70731..70829, 70732..70824, 70833..70937, 70837..70938, 70935..70991, 70939..70983		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o9.tc	Method	TBLASTX:Cress
Start	70779	End	71121
GI	none	Score	77
Exons	70779..71030, 70798..70926, 70975..71121		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o9.ts	Method	TBLASTX:Soybean
Start	71148	End	71438
GI	none	Score	88
Exons	71148..71213, 71220..71438, 71224..71430		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o6.tw	Method	TBLASTX:Wheat
Start	71205	End	71678
GI	none	Score	153
Exons	71205..71462, 71210..71470, 71220..71471, 71221..71463, 71454..71555, 71468..71587, 71637..71678		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o11.tw	Method	TBLASTX:Wheat
Start	74749	End	75153
GI	none	Score	120
Exons	74749..74892, 74771..74893, 74772..74909, 74878..75051, 74895..75011, 74938..75153		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o4.tw	Method	TBLASTX:Wheat
Start	75888	End	76509

GI	none	Score	322
Exons	75888..76295, 75889..76296, 76315..76386, 76405..76509		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o7.tm	Method	TBLASTX:Maize
Start	76063	End	76467
GI	none	Score	297
Exons	76063..76386, 76065..76208, 76402..76467		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o5.ts	Method	TBLASTX:Soybean
Start	76078	End	76530
GI	none	Score	262
Exons	76078..76407, 76107..76217, 76236..76406, 76392..76529, 76393..76530		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10880	Strand	-
Start	69320	End	84672
Name	OJ990502_25.9B12.C1.o3.tc	Method	TBLASTX:Cress
Start	76111	End	76572
GI	none	Score	172
Exons	76111..76389, 76405..76572		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10881	Strand	
Start	87117	End	87513
Name	OJ990502_25.9B12.C1.o11.tm	Method	TBLASTX:Maize
Start	87117	End	87513
GI	none	Score	75
Exons	87117..87290, 87144..87233, 87148..87255, 87243..87380, 87249..87389, 87250..87396, 87415..87513, 87418..87489		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10881	Strand	
Start	87117	End	87513
Name	OJ990502_25.9B12.C1.o7.ts	Method	TBLASTX:Soybean
Start	87145	End	87513
GI	none	Score	114
Exons	87145..87255, 87147..87215, 87243..87368, 87244..87381, 87412..87513, 87415..87504		

Seq. No.	5230	Seq. ID	OJ990502_25.9B12.C1
Gene No.	10881	Strand	
Start	87117	End	87513
Name	OJ990502_25.9B12.C1.o6.tc	Method	TBLASTX:Cress
Start	87148	End	87513
GI	none	Score	105
Exons	87148..87255, 87243..87368, 87244..87378, 87415..87513		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10882	Strand	+
Start	4639	End	8965

Name	OJ990502_25.9B12.C2.o2.gs	Method	GENSCAN
Start	4639	End	8965
GI	none	Score	.63
Exons	4639..5234, 5314..5466, 5583..5752, 6056..6087, 6706..6897, 7452..7647, 8490..8965		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10883	Strand	+
Start	9887	End	14783
Name	OJ990502_25.9B12.C2.o3.gs	Method	GENSCAN
Start	9887	End	12827
GI	none	Score	.82
Exons	9887..9958, 10940..11003, 11570..11747, 11993..12278, 12759..12827		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10883	Strand	+
Start	9887	End	14783
Name	OJ990502_25.9B12.C2.o2.np	Method	AAT/NAP
Start	10936	End	14783
GI	6403497	Score	46
Exons	10936..11041, 11171..11352, 14715..14783		
GI Descrip.	(AC010871) unknown protein [Arabidopsis thaliana]		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10884	Strand	+
Start	21702	End	22883
Name	OJ990502_25.9B12.C2.o5.gs	Method	GENSCAN
Start	21702	End	22883
GI	none	Score	.92
Exons	21702..21882, 22638..22712, 22876..22883		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10885	Strand	-
Start	267	End	5829
Name	OJ990502_25.9B12.C2.o1.np	Method	AAT/NAP
Start	267	End	5829
GI	4680179	Score	1799
Exons	267..1806, 5805..5829		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10885	Strand	-
Start	267	End	5829
Name	OJ990502_25.9B12.C2.o1.gs	Method	GENSCAN
Start	296	End	2593
GI	none	Score	.79
Exons	296..1719, 1766..1840, 2037..2178, 2591..2593		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10886	Strand	-
Start	13092	End	21824
Name	OJ990502_25.9B12.C2.o3.np	Method	AAT/NAP
Start	13092	End	21824
GI	4680207	Score	1658
Exons	13092..13112, 14604..16434, 17996..18810, 20620..20745, 21795..21824		

GI Descrip. (AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10886	Strand	-
Start	13092	End	21824
Name	OJ990502_25.9B12.C2.o4.gs	Method	GENSCAN
Start	14205	End	18810
GI	none	Score	.58
Exons	14205..14348, 14493..16518, 17996..18810		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10887	Strand	-
Start	23621	End	26122
Name	OJ990502_25.9B12.C2.o6.gs	Method	GENSCAN
Start	23621	End	25710
GI	none	Score	.52
Exons	23621..23888, 24080..24171, 25014..25146, 25216..25378, 25617..25710		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10887	Strand	-
Start	23621	End	26122
Name	OJ990502_25.9B12.C2.o4.np	Method	AAT/NAP
Start	23737	End	26122
GI	6539588	Score	145
Exons	23737..23775, 25226..25378, 26096..26122		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o3.tw	Method	TBLASTX:Wheat
Start	311	End	644
GI	none	Score	154
Exons	311..643, 332..604, 375..644		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o6.tm	Method	TBLASTX:Maize
Start	326	End	484
GI	none	Score	193
Exons	326..484		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o1.tm	Method	TBLASTX:Maize
Start	494	End	1091
GI	none	Score	64
Exons	494..589, 494..931, 504..713, 662..811, 780..932, 850..933, 866..1087, 936..1082, 938..1090, 939..1091		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765

Name	OJ990502_25.9B12.C2.o1.tw	Method	TBLASTX:Wheat
Start	644	End	1270
GI	none	Score	251
Exons	644..1270, 768..1214		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o3.tm	Method	TBLASTX:Maize
Start	1139	End	1429
GI	none	Score	239
Exons	1139..1429, 1143..1418		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o2.ts	Method	TBLASTX:Soybean
Start	1229	End	1484
GI	none	Score	173
Exons	1229..1477, 1230..1484		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o1.tc	Method	TBLASTX:Cress
Start	1253	End	1570
GI	none	Score	101
Exons	1253..1396, 1269..1394, 1397..1549, 1397..1570		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o2.tw	Method	TBLASTX:Wheat
Start	1277	End	1801
GI	none	Score	256
Exons	1277..1801, 1281..1649		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o1.ts	Method	TBLASTX:Soybean
Start	14760	End	16479
GI	none	Score	137
Exons	14760..14822, 14850..15038, 15777..15959, 15970..16287, 15972..16298, 16296..16478, 16396..16479		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o4.tm	Method	TBLASTX:Maize
Start	15786	End	16256
GI	none	Score	63
Exons	15786..15947, 15868..15948, 15972..16115, 16027..16116, 16139..16246, 16186..16248, 16230..16256		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-

Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o4.tw	Method	TBLASTX:Wheat
Start	15786	End	16067
GI	none	Score	37
Exons	15786..15938, 15850..15921, 15939..16067, 15979..16065		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o3.tc	Method	TBLASTX:Cress
Start	15789	End	18237
GI	none	Score	59
Exons	15789..15953, 15978..16124, 16015..16104, 16192..16272, 16230..16259, 16455..16520, 18175..18237, 18188..18235		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o5.tw	Method	TBLASTX:Wheat
Start	16296	End	16506
GI	none	Score	53
Exons	16296..16505, 16301..16393, 16305..16505, 16387..16506		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o5.tm	Method	TBLASTX:Maize
Start	18088	End	18366
GI	none	Score	72
Exons	18088..18291, 18128..18226, 18268..18366, 18269..18358		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o7.gs	Method	GENSCAN
Start	27273	End	27642
GI	none	Score	.71
Exons	27273..27642		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o5.np	Method	AAT/NAP
Start	27276	End	27765
GI	3645899	Score	486
Exons	27276..27765		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o2.tm	Method	TBLASTX:Maize
Start	27294	End	27744
GI	none	Score	45
Exons	27294..27575, 27295..27363, 27309..27515, 27421..27744, 27657..27743		

Seq. No.	5231	Seq. ID	OJ990502_25.9B12.C2
Gene No.	10888	Strand	-
Start	27273	End	27765
Name	OJ990502_25.9B12.C2.o2.tc	Method	TBLASTX:Cress
Start	27297	End	27530
GI	none	Score	195
Exons	27297..27530		

Seq. No.	5232	Seq. ID	OJ990502_25.9B12.C3
Gene No.	10889	Strand	-
Start	1	End	1068
Name	OJ990502_25.9B12.C3.o1.np	Method	AAT/NAP
Start	1	End	1068
GI	3777527	Score	563
Exons	1..391, 550..1068		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	5232	Seq. ID	OJ990502_25.9B12.C3
Gene No.	10889	Strand	-
Start	1	End	1068
Name	OJ990502_25.9B12.C3.o1.gs	Method	GENSCAN
Start	35	End	913
GI	none	Score	.63
Exons	35..535, 550..913		

Seq. No.	5232	Seq. ID	OJ990502_25.9B12.C3
Gene No.	10889	Strand	-
Start	1	End	1068
Name	OJ990502_25.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	575	End	1065
GI	none	Score	156
Exons	575..727, 722..919, 723..932, 916..1065, 917..1051		

Seq. No.	5232	Seq. ID	OJ990502_25.9B12.C3
Gene No.	10889	Strand	-
Start	1	End	1068
Name	OJ990502_25.9B12.C3.o1.ts	Method	TBLASTX:Soybean
Start	575	End	1035
GI	none	Score	77
Exons	575..703, 725..919, 732..917, 770..919, 916..1035, 926..1018		

Seq. No.	5232	Seq. ID	OJ990502_25.9B12.C3
Gene No.	10889	Strand	-
Start	1	End	1068
Name	OJ990502_25.9B12.C3.o1.tc	Method	TBLASTX:Cress
Start	576	End	1018
GI	none	Score	59
Exons	576..713, 581..712, 728..919, 916..1017, 932..1018		

Seq. No.	5232	Seq. ID	OJ990502_25.9B12.C3
Gene No.	10889	Strand	-
Start	1	End	1068
Name	OJ990502_25.9B12.C3.o1.tw	Method	TBLASTX:Wheat
Start	818	End	976
GI	none	Score	90
Exons	818..919, 825..917, 916..975, 929..976		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10890	Strand	+
Start	8115	End	13073
Name	OJ990502_25.9B12.C4.o2.gs	Method	GENSCAN
Start	8115	End	12773
GI	none	Score	.94
Exons	8115..8312, 8417..8471, 8473..8597, 8706..9434, 9701..9853, 9950..10385, 10469..10648, 10739..11036, 11237..11402, 11532..11636, 11980..12114, 12367..12546, 12651..12773		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10890	Strand	+
Start	8115	End	13073
Name	OJ990502_25.9B12.C4.o1.gp	Method	AAT/GAP
Start	8214	End	8568
GI	none	Score	377
Exons	8214..8312, 8417..8568		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10890	Strand	+
Start	8115	End	13073
Name	OJ990502_25.9B12.C4.o2.gp	Method	AAT/GAP
Start	11510	End	13073
GI	none	Score	1588
Exons	11510..11636, 11980..12114, 12367..12546, 12651..13073		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10891	Strand	-
Start	643	End	5909
Name	OJ990502_25.9B12.C4.o1.gs	Method	GENSCAN
Start	643	End	5909
GI	none	Score	.77
Exons	643..2068, 2235..4170, 4331..5909		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10891	Strand	-
Start	643	End	5909
Name	OJ990502_25.9B12.C4.o1.np	Method	AAT/NAP
Start	895	End	5909
GI	6006374	Score	5691
Exons	895..951, 2279..5909		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10892	Strand	-
Start	13712	End	20596
Name	OJ990502_25.9B12.C4.o3.gs	Method	GENSCAN
Start	13712	End	20596
GI	none	Score	.81
Exons	13712..14304, 14593..14904, 15095..15359, 15957..16195, 16316..16715, 17354..17557, 17663..17934, 18239..18383, 18474..18563, 20163..20377, 20506..20596		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10892	Strand	-
Start	13712	End	20596

Name	OJ990502_25.9B12.C4.o1.tw	Method	TBLASTX:Wheat
Start	15840	End	16394
GI	none	Score	84
Exons	15840..16073, 16083..16205, 16317..16394		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10892	Strand	-
Start	13712	End	20596
Name	OJ990502_25.9B12.C4.o1.ts	Method	TBLASTX:Soybean
Start	15870	End	16562
GI	none	Score	129
Exons	15870..16070, 16077..16208, 16317..16562, 16347..16562		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10892	Strand	-
Start	13712	End	20596
Name	OJ990502_25.9B12.C4.o1.tm	Method	TBLASTX:Maize
Start	16083	End	16622
GI	none	Score	73
Exons	16083..16196, 16114..16233, 16317..16562, 16317..16622		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10892	Strand	-
Start	13712	End	20596
Name	OJ990502_25.9B12.C4.o1.tc	Method	TBLASTX:Cress
Start	16317	End	16667
GI	none	Score	86
Exons	16317..16667, 16395..16619		

Seq. No.	5233	Seq. ID	OJ990502_25.9B12.C4
Gene No.	10892	Strand	-
Start	13712	End	20596
Name	OJ990502_25.9B12.C4.o2.tw	Method	TBLASTX:Wheat
Start	16455	End	17209
GI	none	Score	70
Exons	16455..16697, 16456..16590, 16470..16640, 17108..17209		

Seq. No.	5234	Seq. ID	OJ990502_25.9B12.C5
Gene No.	10893	Strand	+
Start	1	End	1320
Name	OJ990502_25.9B12.C5.o1.np	Method	AAT/NAP
Start	1	End	1320
GI	4493973	Score	75
Exons	1..52, 1226..1320		
GI Descrip.	(AL034559) predicted using hexExon; MAL3P7.14 (PFC0925w), Hypothetical protein, len: 489 aa [Plasmodium falciparum]		

Seq. No.	5234	Seq. ID	OJ990502_25.9B12.C5
Gene No.	10894	Strand	+
Start	2763	End	2949
Name	OJ990502_25.9B12.C5.o1.gp	Method	AAT/GAP
Start	2763	End	2949
GI	4968598	Score	307
Exons	2763..2949		

Seq. No.	5234	Seq. ID	OJ990502_25.9B12.C5
Gene No.	10895	Strand	+

Start	3390	End	4240
Name	OJ990502_25.9B12.C5.o1.gs	Method	GENSCAN
Start	3390	End	4240
GI	none	Score	.67
Exons	3390..3461, 3557..4240		

Seq. No.	5234	Seq. ID	OJ990502_25.9B12.C5
Gene No.	10896	Strand	+
Start	4980	End	5363
Name	OJ990502_25.9B12.C5.o2.gp	Method	AAT/GAP
Start	4980	End	5363
GI	uC-osflcyp033a04b1	Score	639
Exons	4980..5363		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5234	Seq. ID	OJ990502_25.9B12.C5
Gene No.	10897	Strand	-
Start	3626	End	5265
Name	OJ990502_25.9B12.C5.o2.np	Method	AAT/NAP
Start	3626	End	5265
GI	5852180	Score	412
Exons	3626..4074, 4103..4227, 5210..5265		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5235	Seq. ID	OJ990502_25.9B12.C6
Gene No.	10898	Strand	+
Start	263	End	1811
Name	OJ990502_25.9B12.C6.o1.np	Method	AAT/NAP
Start	263	End	447
GI	6539588	Score	165
Exons	263..447		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5235	Seq. ID	OJ990502_25.9B12.C6
Gene No.	10898	Strand	+
Start	263	End	1811
Name	OJ990502_25.9B12.C6.o1.gs	Method	GENSCAN
Start	322	End	1811
GI	none	Score	.74
Exons	322..475, 645..1811		

Seq. No.	5236	Seq. ID	OJ990502_25.9B12.C7
Gene No.	10899	Strand	+
Start	1	End	109
Name	OJ990502_25.9B12.C7.o1.np	Method	AAT/NAP
Start	1	End	109
GI	3822036	Score	75
Exons	1..109		
GI Descrip.	(AF072326) endo-1,3-1,4-beta-D-glucanase [Zea mays]		

Seq. No.	5236	Seq. ID	OJ990502_25.9B12.C7
Gene No.	10900	Strand	+
Start	407	End	547
Name	OJ990502_25.9B12.C7.o1.gs	Method	GENSCAN
Start	407	End	547
GI	none	Score	.59

Exons	407..547		
Seq. No.	5236	Seq. ID	OJ990502_25.9B12.C7
Gene No.	10901	Strand	+
Start	499	End	724
Name	OJ990502_25.9B12.C7.o1.tm	Method	TBLASTX:Maize
Start	4	End	565
GI	none	Score	121
Exons	4..108, 5..109, 362..565, 406..564		
Seq. No.	5236	Seq. ID	OJ990502_25.9B12.C7
Gene No.	10901	Strand	+
Start	499	End	724
Name	OJ990502_25.9B12.C7.o1.gp	Method	AAT/GAP
Start	499	End	724
GI	uC-osflcyp067d07a1	Score	376
Exons	499..724		
GI Descrip.	'4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	5237	Seq. ID	OJ990502_25.9B12.C8
Gene No.	10902	Strand	-
Start	157	End	375
Name	OJ990502_25.9B12.C8.o1.gs	Method	GENSCAN
Start	157	End	375
GI	none	Score	.74
Exons	157..375		
Seq. No.	5238	Seq. ID	OJ990502_25.9B12.C9
Gene No.	10903	Strand	-
Start	195	End	250
Name	OJ990502_25.9B12.C9.o1.gs	Method	GENSCAN
Start	195	End	250
GI	none	Score	.68
Exons	195..250		
Seq. No.	5239	Seq. ID	OJ990502_23.9B12.C1
Gene No.	10904	Strand	+
Start	66	End	205
Name	OJ990502_23.9B12.C1.o1.gs	Method	GENSCAN
Start	66	End	205
GI	none	Score	.89
Exons	66..205		
Seq. No.	5240	Seq. ID	OJ990502_23.9B12.C2
Gene No.	10905	Strand	-
Start	1	End	8761
Name	OJ990502_23.9B12.C2.o1.np	Method	AAT/NAP
Start	1	End	8761
GI	5263326	Score	1400
Exons	1..265, 761..929, 1032..1073, 1739..1768, 1856..2002, 2087..2227, 2744..2941, 3130..3282, 3506..3718, 3985..4080, 4182..4289, 4396..4500, 4794..4898, 4981..5043, 5213..5289, 5468..5546, 5846..5905, 5993..6051, 6113..6203, 6671..6723, 7012..7101, 8206..8303, 8406..8458, 8562..8761		
GI Descrip.	(AC007727) Similar to gb|U06698 neuronal kinesin heavy chain from Homo sapiens and contains a PF|00225 Kinesin motor domain.		

EST gb|AA042507 comes from this gene. [Arabidopsis thaliana]

Seq. No.	5240	Seq. ID	OJ990502_23.9B12.C2
Gene No.	10905	Strand	-
Start	1	End	8761
Name	OJ990502_23.9B12.C2.o1.gs	Method	GENSCAN
Start	15	End	8686
GI	none	Score	.8
Exons	15..170, 726..929, 1032..1079, 1739..1789, 1877..2227, 2720..2941, 3130..3282, 3506..3688, 3934..4080, 4182..4289, 4396..4500, 4794..4898, 4981..5043, 5846..5905, 5993..6046, 6138..6203, 6671..6723, 7012..7125, 8206..8303, 8406..8686		

Seq. No.	5240	Seq. ID	OJ990502_23.9B12.C2
Gene No.	10905	Strand	-
Start	1	End	8761
Name	OJ990502_23.9B12.C2.o2.tm	Method	TBLASTX:Maize
Start	69	End	2817
GI	none	Score	71
Exons	69..176, 77..181, 77..202, 293..331, 371..415, 770..823, 779..823, 831..926, 832..933, 836..967, 836..946, 1014..1085, 1029..1085, 1033..1092, 1736..1789, 1736..1789, 1877..2008, 1878..1961, 1925..1981, 2082..2228, 2084..2227, 2088..2264, 2089..2268, 2719..2817, 2726..2815, 2728..2817		

Seq. No.	5240	Seq. ID	OJ990502_23.9B12.C2
Gene No.	10905	Strand	-
Start	1	End	8761
Name	OJ990502_23.9B12.C2.o1.gp	Method	AAT/GAP
Start	1856	End	3167
GI	uC-osf1cyp024f08b1	Score	970
Exons	1856..2002, 2087..2227, 2720..2941, 3130..3167		
GI Descrip.	'5263326/gb|AAD41428.1|AC007727_17 4.0e-14 (AC007727) Similar to gb_U06698 neuronal kinesin heavy chain from Homo sapiens and contains a PF_00225 Kinesin motor domain. EST gb_AA042507 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	5240	Seq. ID	OJ990502_23.9B12.C2
Gene No.	10905	Strand	-
Start	1	End	8761
Name	OJ990502_23.9B12.C2.o1.tw	Method	TBLASTX:Wheat
Start	1868	End	2245
GI	none	Score	80
Exons	1868..1999, 2081..2245, 2085..2240		

Seq. No.	5240	Seq. ID	OJ990502_23.9B12.C2
Gene No.	10905	Strand	-
Start	1	End	8761
Name	OJ990502_23.9B12.C2.o1.tm	Method	TBLASTX:Maize
Start	3656	End	4295
GI	none	Score	128
Exons	3656..3724, 3925..4083, 3928..4083, 4179..4295, 4183..4287		

Seq. No.	5240	Seq. ID	OJ990502_23.9B12.C2
Gene No.	10905	Strand	-
Start	1	End	8761
Name	OJ990502_23.9B12.C2.o1.ts	Method	TBLASTX:Soybean

Start	3988	End	4832
GI	none	Score	56
Exons	3988..4029, 4024..4080, 4046..4081, 4172..4234, 4179..4235, 4236..4295, 4237..4287, 4378..4500, 4388..4501, 4776..4832		

Seq. No.	5240	Seq. ID	OJ990502_23.9B12.C2
Gene No.	10905	Strand	-
Start	1	End	8761
Name	OJ990502_23.9B12.C2.o2.gp	Method	AAT/GAP
Start	7014	End	8759
GI	uC-osroM202035b07b1	Score	1020
Exons	7014..7101, 8206..8303, 8406..8759		
GI Descrip.	'5263326/gb|AAD41428.1|AC007727_17 5.0e-25 (AC007727) Similar to gb_U06698 neuronal kinesin heavy chain from Homo sapiens and contains a PF_00225 Kinesin motor domain. EST gb_AA042507 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	5241	Seq. ID	OJ990502_23.9B12.C3
Gene No.	10906	Strand	+
Start	1205	End	5197
Name	OJ990502_23.9B12.C3.o1.gs	Method	GENSCAN
Start	1205	End	5197
GI	none	Score	.45
Exons	1205..1447, 1588..1765, 3359..3772, 5115..5197		

Seq. No.	5241	Seq. ID	OJ990502_23.9B12.C3
Gene No.	10907	Strand	-
Start	1	End	5649
Name	OJ990502_23.9B12.C3.o1.np	Method	AAT/NAP
Start	1	End	5649
GI	81286	Score	86
Exons	1..160, 259..482, 4565..4721, 5600..5649		
GI Descrip.	extensin - Volvox carteri (fragment) gi|21992|emb|CAA46283| (X65165) extensin [Volvox carteri]		

Seq. No.	5242	Seq. ID	OJ990502_23.9B12.C4
Gene No.	10908	Strand	-
Start	685	End	5016
Name	OJ990502_23.9B12.C4.o1.gs	Method	GENSCAN
Start	685	End	5009
GI	none	Score	.8
Exons	685..832, 878..908, 4223..5009		

Seq. No.	5242	Seq. ID	OJ990502_23.9B12.C4
Gene No.	10908	Strand	-
Start	685	End	5016
Name	OJ990502_23.9B12.C4.o1.np	Method	AAT/NAP
Start	4295	End	5016
GI	790687	Score	241
Exons	4295..5016		
GI Descrip.	(L39651) zinc finger protein [Arabidopsis thaliana]		

Seq. No.	5242	Seq. ID	OJ990502_23.9B12.C4
Gene No.	10908	Strand	-
Start	685	End	5016
Name	OJ990502_23.9B12.C4.o1.tc	Method	TBLASTX:Cress
Start	4569	End	4748

GI	none	Score	82
Exons	4569..4748, 4648..4746		

Seq. No.	5243	Seq. ID	OJ990502_23.9B12.C5
Gene No.	10909	Strand	+
Start	2751	End	4887
Name	OJ990502_23.9B12.C5.o2.gs	Method	GENSCAN
Start	2751	End	4866
GI	none	Score	.52
Exons	2751..4012, 4107..4866		

Seq. No.	5243	Seq. ID	OJ990502_23.9B12.C5
Gene No.	10909	Strand	+
Start	2751	End	4887
Name	OJ990502_23.9B12.C5.o2.np	Method	AAT/NAP
Start	2751	End	4887
GI	6907089	Score	3322
Exons	2751..4012, 4107..4887		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5243	Seq. ID	OJ990502_23.9B12.C5
Gene No.	10910	Strand	-
Start	1314	End	4887
Name	OJ990502_23.9B12.C5.o1.np	Method	AAT/NAP
Start	1314	End	4887
GI	5042454	Score	277
Exons	1314..1367, 1627..1810, 2378..2450, 3116..3187, 3744..3948, 4829..4887		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10911	Strand	+
Start	100	End	644
Name	OJ990502_23.9B12.C6.o1.gs	Method	GENSCAN
Start	100	End	644
GI	none	Score	.92
Exons	100..644		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o2.gs	Method	GENSCAN
Start	1273	End	4938
GI	none	Score	.73
Exons	1273..2089, 2198..3442, 3488..4938		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o1.np	Method	AAT/NAP
Start	1276	End	6921
GI	6498441	Score	6913
Exons	1276..1557, 1651..3048, 3220..3516, 3709..4135, 4310..4444, 4628..5001, 5065..5528, 5859..6921		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o7.tw	Method	TBLASTX:Wheat
Start	1285	End	1887
GI	none	Score	127
Exons	1285..1410, 1471..1887, 1597..1887		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o4.tw	Method	TBLASTX:Wheat
Start	1888	End	2268
GI	none	Score	169
Exons	1888..2268, 1919..2167		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o3.tm	Method	TBLASTX:Maize
Start	2044	End	2406
GI	none	Score	98
Exons	2044..2091, 2074..2286, 2083..2406, 2096..2377		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o8.tw	Method	TBLASTX:Wheat
Start	2599	End	2911
GI	none	Score	67
Exons	2599..2859, 2735..2911		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o2.ts	Method	TBLASTX:Soybean
Start	2659	End	3225
GI	5666795	Score	68
Exons	2659..2859, 2914..3051, 3127..3225		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o5.tw	Method	TBLASTX:Wheat
Start	2914	End	3372
GI	none	Score	82
Exons	2914..3063, 2915..3052, 3083..3238, 3097..3348, 3098..3283, 3118..3372		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o1.ts	Method	TBLASTX:Soybean
Start	3973	End	4344
GI	none	Score	90

Exons	3973..4344, 4184..4327		
Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o2.tw	Method	TBLASTX:Wheat
Start	4003	End	4423
GI	none	Score	314
Exons	4003..4422, 4010..4423		
Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o2.tm	Method	TBLASTX:Maize
Start	4096	End	4480
GI	none	Score	238
Exons	4096..4479, 4115..4480		
Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o1.tm	Method	TBLASTX:Maize
Start	4507	End	4863
GI	none	Score	125
Exons	4507..4812, 4507..4863, 4517..4828		
Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o1.tw	Method	TBLASTX:Wheat
Start	4531	End	4993
GI	none	Score	218
Exons	4531..4992, 4537..4992, 4538..4993		
Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o3.ts	Method	TBLASTX:Soybean
Start	4588	End	4953
GI	none	Score	118
Exons	4588..4722, 4729..4953		
Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o3.gs	Method	GENSCAN
Start	5002	End	7587
GI	none	Score	.54
Exons	5002..6345, 6363..6512, 6737..7453, 7483..7587		
Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o3.tw	Method	TBLASTX:Wheat
Start	5149	End	5644
GI	none	Score	171
Exons	5149..5643, 5189..5449, 5471..5644		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o2.np	Method	AAT/NAP
Start	6033	End	7781
GI	5042454	Score	2122
Exons	6033..7426, 7483..7609, 7676..7781		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o6.tw	Method	TBLASTX:Wheat
Start	6381	End	6932
GI	none	Score	82
Exons	6381..6638, 6460..6654, 6621..6707, 6622..6702, 6725..6772, 6897..6932		

Seq. No.	5244	Seq. ID	OJ990502_23.9B12.C6
Gene No.	10912	Strand	-
Start	1273	End	7781
Name	OJ990502_23.9B12.C6.o3.np	Method	AAT/NAP
Start	7640	End	7781
GI	5042454	Score	69
Exons	7640..7693, 7739..7781		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	5245	Seq. ID	OJ990502_23.9B12.C7
Gene No.	10913	Strand	-
Start	1	End	223
Name	OJ990502_23.9B12.C7.o1.np	Method	AAT/NAP
Start	1	End	223
GI	2498930	Score	77
Exons	1..35, 143..223		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	5245	Seq. ID	OJ990502_23.9B12.C7
Gene No.	10914	Strand	-
Start	143	End	149
Name	OJ990502_23.9B12.C7.o1.gs	Method	GENSCAN
Start	143	End	149
GI	none	Score	.98
Exons	143..149		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10915	Strand	+
Start	564	End	2701
Name	OJ990502_23.9B12.C8.o1.gs	Method	GENSCAN
Start	564	End	2701
GI	none	Score	.47
Exons	564..668, 2628..2701		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10916	Strand	+
Start	7129	End	9240

Name	OJ990502_23.9B12.C8.o1.gp	Method	AAT/GAP
Start	7129	End	9240
GI	6573148	Score	3558
Exons	7129..7543, 7640..8619, 8735..9240		
GI Descrip.	4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10916	Strand	+
Start	7129	End	9240
Name	OJ990502_23.9B12.C8.o3.np	Method	AAT/NAP
Start	7321	End	8624
GI	6573149	Score	1957
Exons	7321..7543, 7640..8624		
GI Descrip.	(AF201895) growth-regulating factor 1 [Oryza sativa]		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10917	Strand	+
Start	13153	End	16261
Name	OJ990502_23.9B12.C8.o3.gs	Method	GENSCAN
Start	13153	End	16182
GI	none	Score	.94
Exons	13153..13433, 14493..16182		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10917	Strand	+
Start	13153	End	16261
Name	OJ990502_23.9B12.C8.o4.np	Method	AAT/NAP
Start	13156	End	16164
GI	4584356	Score	1968
Exons	13156..13433, 14493..14598, 14642..16164		
GI Descrip.	(AC006420) putative replication protein A1 [Arabidopsis thaliana]		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10917	Strand	+
Start	13153	End	16261
Name	OJ990502_23.9B12.C8.o2.gp	Method	AAT/GAP
Start	13309	End	14827
GI	LIB3477-001-P1-K1-C7	Score	900
Exons	13309..13433, 14493..14827		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10917	Strand	+
Start	13153	End	16261
Name	OJ990502_23.9B12.C8.o3.gp	Method	AAT/GAP
Start	15829	End	16261
GI	1632335	Score	832
Exons	15829..16261		
GI Descrip.	4584356/gb|AAD25150.1|AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10918	Strand	+
Start	27243	End	28089

Name	OJ990502_23.9B12.C8.o6.gs	Method	GENSCAN
Start	27243	End	28089
GI	none	Score	.67
Exons	27243..27273, 27950..28089		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10919	Strand	+
Start	35515	End	40665
Name	OJ990502_23.9B12.C8.o9.np	Method	AAT/NAP
Start	35515	End	40665
GI	6498441	Score	1511
Exons	35515..35597, 39559..40665		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10919	Strand	+
Start	35515	End	40665
Name	OJ990502_23.9B12.C8.o8.np	Method	AAT/NAP
Start	38223	End	40543
GI	6907088	Score	278
Exons	38223..38360, 38537..38642, 40523..40543		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10919	Strand	+
Start	35515	End	40665
Name	OJ990502_23.9B12.C8.o9.gs	Method	GENSCAN
Start	39202	End	40655
GI	none	Score	.51
Exons	39202..39288, 39530..39700, 39737..40655		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10920	Strand	-
Start	5	End	2177
Name	OJ990502_23.9B12.C8.o2.np	Method	AAT/NAP
Start	5	End	2177
GI	6907088	Score	286
Exons	5..336, 963..1083, 1692..1863, 2040..2177		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10921	Strand	-
Start	16629	End	16928
Name	OJ990502_23.9B12.C8.o4.gp	Method	AAT/GAP
Start	16629	End	16928
GI	2798531	Score	576
Exons	16629..16928		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10922	Strand	-
Start	16905	End	20859
Name	OJ990502_23.9B12.C8.o4.gs	Method	GENSCAN
Start	16905	End	20859
GI	none	Score	.53
Exons	16905..17078, 17321..17584, 17772..17855, 18730..19527,		

20222..20283, 20480..20648, 20758..20859

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10922	Strand	-
Start	16905	End	20859
Name	OJ990502_23.9B12.C8.o5.gp	Method	AAT/GAP
Start	18981	End	19419
GI	LIB3474-003-P1-K1-B12	Score	878
Exons	18981..19419		
GI Descrip.	'4584356/gb|AAD25150.1|AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]'		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10923	Strand	-
Start	29716	End	30891
Name	OJ990502_23.9B12.C8.o7.gs	Method	GENSCAN
Start	29716	End	30891
GI	none	Score	.85
Exons	29716..29789, 30517..30655, 30721..30891		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10924	Strand	-
Start	31277	End	35876
Name	OJ990502_23.9B12.C8.o6.np	Method	AAT/NAP
Start	31277	End	35876
GI	4680179	Score	4295
Exons	31277..34691, 34794..35876		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o11.tm	Method	TBLASTX:Maize
Start	7371	End	7752
GI	none	Score	125
Exons	7371..7427, 7372..7515, 7633..7752, 7677..7751		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o2.tm	Method	TBLASTX:Maize
Start	14904	End	15387
GI	none	Score	526
Exons	14904..15323, 14905..15324, 14905..15327, 15316..15387, 15324..15386		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o3.tm	Method	TBLASTX:Maize
Start	15388	End	15732
GI	none	Score	430
Exons	15388..15684, 15390..15686, 15390..15683, 15673..15732, 15681..15731		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-

Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o5.tm	Method	TBLASTX:Maize
Start	18566	End	18963
GI	none	Score	179
Exons	18566..18751, 18574..18750, 18576..18764, 18745..18903, 18747..18839, 18749..18856, 18781..18888, 18904..18963		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o3.ts	Method	TBLASTX:Soybean
Start	18799	End	19279
GI	none	Score	115
Exons	18799..18852, 19069..19269, 19100..19276, 19109..19279		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o10.tm	Method	TBLASTX:Maize
Start	19166	End	19428
GI	none	Score	168
Exons	19166..19342, 19168..19350, 19168..19428, 19169..19363, 19328..19411		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o5.tw	Method	TBLASTX:Wheat
Start	31321	End	31653
GI	none	Score	143
Exons	31321..31653, 31342..31614		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o1.tm	Method	TBLASTX:Maize
Start	31504	End	32100
GI	none	Score	86
Exons	31504..31833, 31514..31723, 31708..31821, 31806..31940, 31828..31941, 31888..31941, 31938..32096, 31945..32100, 31948..32100		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o1.tw	Method	TBLASTX:Wheat
Start	31654	End	40664
GI	none	Score	242
Exons	31654..31836, 31842..32279, 31843..32223, 40334..40492, 40617..40664		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o8.tm	Method	TBLASTX:Maize
Start	32220	End	32639
GI	none	Score	159

Exons	32220..32639, 32242..32532		
Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o2.ts	Method	TBLASTX:Soybean
Start	32238	End	32493
GI	none	Score	139
Exons	32238..32486, 32239..32493		
Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o3.tw	Method	TBLASTX:Wheat
Start	32286	End	32810
GI	none	Score	277
Exons	32286..32810, 32299..32736		
Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o4.tm	Method	TBLASTX:Maize
Start	32843	End	33204
GI	none	Score	212
Exons	32843..33013, 32848..33048, 32853..33155, 32854..33153, 33160..33204		
Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o2.tw	Method	TBLASTX:Wheat
Start	32853	End	33277
GI	none	Score	199
Exons	32853..33158, 32854..33150, 33071..33163, 33158..33277, 33160..33276		
Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o9.tm	Method	TBLASTX:Maize
Start	33208	End	33466
GI	none	Score	165
Exons	33208..33465, 33212..33466		
Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o7.tw	Method	TBLASTX:Wheat
Start	33283	End	33578
GI	none	Score	153
Exons	33283..33483, 33320..33484, 33322..33495, 33483..33578, 33484..33561, 33507..33578		
Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o1.ts	Method	TBLASTX:Soybean

Start	33292	End	33686
GI	none	Score	123
Exons	33292..33483, 33320..33466, 33483..33650, 33484..33669, 33654..33686		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o7.tm	Method	TBLASTX:Maize
Start	33573	End	34040
GI	none	Score	95
Exons	33573..34040, 33610..33816, 33880..33969		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o4.tw	Method	TBLASTX:Wheat
Start	33627	End	34109
GI	none	Score	164
Exons	33627..34109, 33636..33995, 33655..34095		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o13.tm	Method	TBLASTX:Maize
Start	34041	End	34238
GI	none	Score	68
Exons	34041..34199, 34041..34238, 34042..34203		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o9.tw	Method	TBLASTX:Wheat
Start	34395	End	34841
GI	none	Score	83
Exons	34395..34673, 34501..34650, 34788..34841		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o12.tm	Method	TBLASTX:Maize
Start	35040	End	35372
GI	none	Score	211
Exons	35040..35372		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o8.tw	Method	TBLASTX:Wheat
Start	35253	End	35630
GI	none	Score	247
Exons	35253..35630		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o7.np	Method	AAT/NAP

Start	36297	End	37077
GI	6002794	Score	1128
Exons	36297..37077		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o6.tm	Method	TBLASTX:Maize
Start	39899	End	40222
GI	none	Score	361
Exons	39899..40222, 39928..40209		

Seq. No.	5246	Seq. ID	OJ990502_23.9B12.C8
Gene No.	10925	Strand	-
Start	36297	End	40664
Name	OJ990502_23.9B12.C8.o6.tw	Method	TBLASTX:Wheat
Start	39902	End	40291
GI	none	Score	357
Exons	39902..40291, 39925..40215, 40237..40290		

Seq. No.	5247	Seq. ID	OJ990502_23.9B12.C9
Gene No.	10926	Strand	+
Start	55	End	525
Name	OJ990502_23.9B12.C9.o1.gp	Method	AAT/GAP
Start	55	End	525
GI	2428323	Score	823
Exons	55..525		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	5247	Seq. ID	OJ990502_23.9B12.C9
Gene No.	10927	Strand	-
Start	533	End	3717
Name	OJ990502_23.9B12.C9.o1.gs	Method	GENSCAN
Start	533	End	3717
GI	none	Score	.98
Exons	533..2360, 2456..3717		

Seq. No.	5247	Seq. ID	OJ990502_23.9B12.C9
Gene No.	10927	Strand	-
Start	533	End	3717
Name	OJ990502_23.9B12.C9.o1.np	Method	AAT/NAP
Start	536	End	3717
GI	5803259	Score	4978
Exons	536..2360, 2456..3717		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10928	Strand	+
Start	1369	End	2802
Name	OJ990502_23.9B12.C10.o1.np	Method	AAT/NAP
Start	1369	End	2802
GI	6907086	Score	612
Exons	1369..2107, 2167..2802		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o5.tw	Method	TBLASTX:Wheat
Start	8405	End	8573
GI	none	Score	192
Exons	8405..8572, 8407..8571, 8475..8573		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o2.np	Method	AAT/NAP
Start	8531	End	13504
GI	6623973	Score	2299
Exons	8531..8590, 8802..8880, 10527..13504		
GI Descrip.	(AC007505) Highly similar to Ta1-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o3.tm	Method	TBLASTX:Maize
Start	10982	End	11476
GI	none	Score	332
Exons	10982..11476, 11116..11418, 11180..11434		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o2.tw	Method	TBLASTX:Wheat
Start	10990	End	11637
GI	none	Score	329
Exons	10990..11367, 10991..11443, 11533..11637		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o3.ts	Method	TBLASTX:Soybean
Start	11225	End	11670
GI	none	Score	225
Exons	11225..11485, 11233..11484, 11521..11670		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o1.tc	Method	TBLASTX:Cress
Start	11258	End	11781
GI	none	Score	122
Exons	11258..11476, 11533..11781		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o3.tw	Method	TBLASTX:Wheat
Start	11870	End	12140
GI	none	Score	319
Exons	11870..12139, 11871..12140		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o4.tm	Method	TBLASTX:Maize
Start	12137	End	12518
GI	none	Score	296
Exons	12137..12433, 12138..12518		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o1.tw	Method	TBLASTX:Wheat
Start	12141	End	12920
GI	none	Score	328
Exons	12141..12470, 12143..12454, 12576..12920		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o1.ts	Method	TBLASTX:Soybean
Start	12168	End	12552
GI	none	Score	388
Exons	12168..12509, 12173..12454, 12286..12552, 12327..12509		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o2.tm	Method	TBLASTX:Maize
Start	12573	End	13023
GI	none	Score	119
Exons	12573..12731, 12581..12661, 12693..13010, 12693..12992, 12707..13018, 12707..13000, 12781..13023		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o2.tc	Method	TBLASTX:Cress
Start	12894	End	13495
GI	none	Score	64
Exons	12894..13022, 13017..13121, 13131..13196, 13283..13495		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o4.tw	Method	TBLASTX:Wheat
Start	13016	End	13468
GI	none	Score	151
Exons	13016..13222, 13047..13223, 13268..13468, 13279..13467		

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o1.tm	Method	TBLASTX:Maize
Start	13073	End	13495
GI	none	Score	192
Exons	13073..13216, 13074..13223, 13212..13418, 13222..13449,		

13223..13495, 13225..13491

Seq. No.	5248	Seq. ID	OJ990502_23.9B12.C10
Gene No.	10929	Strand	+
Start	8531	End	13504
Name	OJ990502_23.9B12.C10.o2.ts	Method	TBLASTX:Soybean
Start	13095	End	13492
GI	none	Score	150
Exons	13095..13223, 13104..13223, 13219..13356, 13223..13369, 13387..13485, 13388..13492		

Seq. No.	5249	Seq. ID	OJ990502_23.9B12.C11
Gene No.	10930	Strand	+
Start	1970	End	2527
Name	OJ990502_23.9B12.C11.o1.gs	Method	GENSCAN
Start	1970	End	2527
GI	none	Score	.98
Exons	1970..2048, 2334..2527		

Seq. No.	5249	Seq. ID	OJ990502_23.9B12.C11
Gene No.	10931	Strand	+
Start	5326	End	5643
Name	OJ990502_23.9B12.C11.o2.gs	Method	GENSCAN
Start	5326	End	5643
GI	none	Score	.53
Exons	5326..5353, 5549..5643		

Seq. No.	5249	Seq. ID	OJ990502_23.9B12.C11
Gene No.	10932	Strand	+
Start	6261	End	6631
Name	OJ990502_23.9B12.C11.o3.gs	Method	GENSCAN
Start	6261	End	6631
GI	none	Score	1
Exons	6261..6330, 6432..6631		

Seq. No.	5249	Seq. ID	OJ990502_23.9B12.C11
Gene No.	10933	Strand	+
Start	8130	End	8796
Name	OJ990502_23.9B12.C11.o4.gs	Method	GENSCAN
Start	8130	End	8796
GI	none	Score	.65
Exons	8130..8387, 8502..8637, 8747..8796		

Seq. No.	5249	Seq. ID	OJ990502_23.9B12.C11
Gene No.	10934	Strand	+
Start	9470	End	9892
Name	OJ990502_23.9B12.C11.o5.gs	Method	GENSCAN
Start	9470	End	9892
GI	none	Score	.91
Exons	9470..9536, 9690..9892		

Seq. No.	5249	Seq. ID	OJ990502_23.9B12.C11
Gene No.	10935	Strand	+
Start	11119	End	14749
Name	OJ990502_23.9B12.C11.o6.gs	Method	GENSCAN
Start	11119	End	14749
GI	none	Score	.45

Exons	11119..11478, 12010..12092, 12663..12817, 12904..13049, 13477..13644, 14293..14550, 14636..14749		
Seq. No.	5249	Seq. ID	OJ990502_23.9B12.C11
Gene No.	10936	Strand	-
Start	17285	End	19732
Name	OJ990502_23.9B12.C11.o7.gs	Method	GENSCAN
Start	17285	End	19732
GI	none	Score	.66
Exons	17285..17477, 18146..18275, 18373..18558, 19449..19509, 19670..19732		
Seq. No.	5250	Seq. ID	OJ990502_23.9B12.C12
Gene No.	10937	Strand	+
Start	94	End	261
Name	OJ990502_23.9B12.C12.o1.gs	Method	GENSCAN
Start	94	End	261
GI	none	Score	.89
Exons	94..261		
Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10938	Strand	+
Start	1543	End	2098
Name	OJ990402_20.9B19.C1.o1.gp	Method	AAT/GAP
Start	1543	End	2098
GI	4715658	Score	819
Exons	1543..1569, 1689..2098		
Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10939	Strand	+
Start	4163	End	6758
Name	OJ990402_20.9B19.C1.o2.gs	Method	GENSCAN
Start	4163	End	6758
GI	none	Score	.48
Exons	4163..4358, 6375..6424, 6597..6758		
Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10940	Strand	+
Start	10151	End	12192
Name	OJ990402_20.9B19.C1.o4.gs	Method	GENSCAN
Start	10151	End	12192
GI	none	Score	.56
Exons	10151..10332, 10721..10854, 11306..12192		
Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10941	Strand	+
Start	20860	End	21802
Name	OJ990402_20.9B19.C1.o6.gs	Method	GENSCAN
Start	20860	End	21802
GI	none	Score	.71
Exons	20860..21084, 21383..21802		
Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10942	Strand	-
Start	7780	End	9143
Name	OJ990402_20.9B19.C1.o3.gs	Method	GENSCAN
Start	7780	End	9143

GI	none	Score	.86
Exons	7780..8118, 8332..8916, 9045..9143		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o3.tm	Method	TBLASTX:Maize
Start	1243	End	1786
GI	none	Score	99
Exons	1243..1308, 1244..1309, 1244..1315, 1245..1316, 1469..1570, 1470..1571, 1471..1569, 1471..1578, 1686..1775, 1687..1776, 1688..1786		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o2.gp	Method	AAT/GAP
Start	12664	End	14375
GI	3235_1.R1084	Score	1707
Exons	12664..13122, 13209..13271, 13429..13545, 13893..14009, 14098..14190, 14272..14375		
GI Descrip.	'4376158/emb|CAA67376| 2.0e-83 (X98873) aspartate kinase [Arabidopsis thaliana]'		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o1.tw	Method	TBLASTX:Wheat
Start	12905	End	13943
GI	none	Score	54
Exons	12905..12994, 12947..12985, 12991..13125, 13008..13124, 13197..13280, 13198..13275, 13427..13555, 13429..13557, 13430..13570, 13891..13941, 13893..13943		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o2.tm	Method	TBLASTX:Maize
Start	12946	End	13601
GI	none	Score	117
Exons	12946..13125, 12954..13124, 12955..13125, 13197..13280, 13198..13275, 13413..13601, 13427..13555, 13429..13557		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o5.gs	Method	GENSCAN
Start	12961	End	18041
GI	none	Score	.81
Exons	12961..13122, 13209..13271, 13893..14009, 14098..14190, 14272..14391, 14506..14622, 14879..14974, 15095..15244, 15473..15493, 15989..16143, 17348..17388, 17475..17557, 17658..17882, 17976..18041		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465

Name	OJ990402_20.9B19.C1.o2.np	Method	AAT/NAP
Start	12970	End	19465
GI	4376158	Score	1574
Exons	12970..13122, 13209..13271, 13429..13545, 13893..14009, 14098..14190, 14272..14391, 14506..14622, 14879..14974, 15095..15244, 15989..16184, 17475..17557, 17658..17831, 19370..19465		
GI Descrip.	(X98873) aspartate kinase [Arabidopsis thaliana]		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o1.tc	Method	TBLASTX:Cress
Start	12991	End	17807
GI	none	Score	91
Exons	12991..13125, 13197..13280, 13198..13263, 13427..13555, 13428..13556, 13429..13557, 13891..14019, 13893..14018, 14073..14192, 14092..14193, 14093..14191, 14246..14392, 14272..14394, 14272..14391, 14273..14392, 14497..14622, 14499..14624, 14500..14625, 14504..14638, 14846..14977, 14874..15005, 14877..14975, 14878..14979, 15090..15245, 15095..15286, 15096..15245, 15101..15247, 15980..16114, 15993..16136, 17468..17557, 17469..17558, 17634..17807, 17662..17793		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o1.ts	Method	TBLASTX:Soybean
Start	13045	End	17810
GI	none	Score	77
Exons	13045..13125, 13058..13123, 13197..13280, 13198..13275, 13424..13549, 13429..13557, 13430..13549, 13891..14019, 13893..14069, 14082..14183, 14092..14193, 14093..14185, 14246..14395, 14272..14397, 14272..14391, 14497..14622, 14500..14625, 14504..14623, 14846..14968, 14847..14969, 14874..14975, 14878..14976, 15095..15286, 15096..15245, 15098..15253, 15959..16135, 15980..16114, 15993..16136, 16020..16133, 17349..17393, 17352..17390, 17468..17557, 17469..17558, 17634..17810, 17662..17793		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o1.tm	Method	TBLASTX:Maize
Start	13894	End	17524
GI	none	Score	148
Exons	13894..14010, 13894..14010, 13896..14018, 14088..14177, 14092..14193, 14093..14182, 14246..14392, 14269..14394, 14272..14391, 14489..14623, 14497..14619, 14500..14625, 14504..14623, 14846..14977, 14874..14975, 14875..14979, 15087..15245, 15089..15286, 15101..15247, 15223..15300, 15973..16107, 15977..16144, 15980..16114, 15993..16175, 15997..16146, 17340..17393, 17468..17524		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-

Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o3.gp	Method	AAT/GAP
Start	15195	End	17772
GI	LIB3434-003-P1-K1-C5	Score	743
Exons	15195..15252, 15997..16143, 17348..17388, 17475..17557, 17658..17772		
GI Descrip.	'4376158/emb|CAA67376| 6.0e-52 (X98873) aspartate kinase [Arabidopsis thaliana]'		

Seq. No.	5251	Seq. ID	OJ990402_20.9B19.C1
Gene No.	10943	Strand	-
Start	12664	End	19465
Name	OJ990402_20.9B19.C1.o4.tm	Method	TBLASTX:Maize
Start	17529	End	17873
GI	none	Score	46
Exons	17529..17582, 17532..17573, 17658..17873, 17659..17793		

Seq. No.	5252	Seq. ID	OJ990402_20.9B19.C2
Gene No.	10944	Strand	+
Start	1	End	318
Name	OJ990402_20.9B19.C2.o1.np	Method	AAT/NAP
Start	1	End	303
GI	5381426	Score	80
Exons	1..303		
GI Descrip.	(AF159046) SPANK-1 [Rattus norvegicus]		

Seq. No.	5252	Seq. ID	OJ990402_20.9B19.C2
Gene No.	10944	Strand	+
Start	1	End	318
Name	OJ990402_20.9B19.C2.o1.tc	Method	TBLASTX:Cress
Start	105	End	309
GI	none	Score	245
Exons	105..293, 106..309, 124..300		

Seq. No.	5252	Seq. ID	OJ990402_20.9B19.C2
Gene No.	10944	Strand	+
Start	1	End	318
Name	OJ990402_20.9B19.C2.o1.gs	Method	GENSCAN
Start	112	End	318
GI	none	Score	.45
Exons	112..318		

Seq. No.	5252	Seq. ID	OJ990402_20.9B19.C2
Gene No.	10944	Strand	+
Start	1	End	318
Name	OJ990402_20.9B19.C2.o1.ts	Method	TBLASTX:Soybean
Start	123	End	300
GI	none	Score	217
Exons	123..293, 124..300, 124..294		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10945	Strand	+
Start	3219	End	11882
Name	OJ990402_20.9B19.C3.o2.np	Method	AAT/NAP
Start	3219	End	8971
GI	6841480	Score	511
Exons	3219..3242, 6733..6877, 7442..7779, 8801..8971		

GI Descrip. (AF161478) HSPC129 [Homo sapiens]

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10945	Strand	+
Start	3219	End	11882
Name	OJ990402_20.9B19.C3.o2.gs	Method	GENSCAN
Start	4787	End	11882
GI	none	Score	.74
Exons	4787..4883, 5194..5283, 5796..5920, 6124..6220, 6449..6877, 7604..7779, 8801..8951, 9285..9325, 9797..9921, 9995..10194, 10774..11009, 11604..11882		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10945	Strand	+
Start	3219	End	11882
Name	OJ990402_20.9B19.C3.o1.gp	Method	AAT/GAP
Start	7675	End	8921
GI	LIB3433-009-Q6-K1-D8	Score	403
Exons	7675..7779, 8801..8921		
GI Descrip.	'4731912/gb|AAD28548.1|AF111941_1 1.0e-19 (AF111941) development protein DG1148 [Dictyostelium discoideum]'		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10945	Strand	+
Start	3219	End	11882
Name	OJ990402_20.9B19.C3.o2.gp	Method	AAT/GAP
Start	9829	End	10934
GI	2428118	Score	768
Exons	9829..9921, 9995..10194, 10774..10934		
GI Descrip.	6091744/gb|AAF03456.1|AC010797_32 1.0e-11 (AC010797) unknown protein [Arabidopsis thaliana]		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10945	Strand	+
Start	3219	End	11882
Name	OJ990402_20.9B19.C3.o3.np	Method	AAT/NAP
Start	9830	End	11879
GI	6513933	Score	588
Exons	9830..9921, 9995..10194, 10774..11009, 11604..11879		
GI Descrip.	(AC011664) putative dehydrogenase [Arabidopsis thaliana]		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10946	Strand	-
Start	1059	End	4101
Name	OJ990402_20.9B19.C3.o1.np	Method	AAT/NAP
Start	1052	End	4101
GI	5915841	Score	1417
Exons	1052..1682, 1783..2241, 3592..4101		
GI Descrip.	CYTOCHROME P450 71E1 gi|2766452 (AF029858) cytochrome P450 CYP71E1 [Sorghum bicolor]		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10946	Strand	-
Start	1059	End	4101
Name	OJ990402_20.9B19.C3.o1.gs	Method	GENSCAN
Start	1059	End	4091
GI	none	Score	1

Exons	1059..1682, 1783..2241, 3592..3988, 4000..4091		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o2.tw	Method	TBLASTX:Wheat
Start	1045	End	1337
GI	none	Score	168
Exons	1045..1302, 1059..1337		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o1.tm	Method	TBLASTX:Maize
Start	1047	End	1545
GI	none	Score	75
Exons	1047..1217, 1060..1302, 1068..1541, 1360..1545		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o1.tc	Method	TBLASTX:Cress
Start	1071	End	1677
GI	none	Score	240
Exons	1071..1541, 1081..1533, 1563..1676, 1564..1677		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o1.ts	Method	TBLASTX:Soybean
Start	1078	End	3888
GI	none	Score	122
Exons	1078..1299, 1080..1556, 1363..1491, 1575..1688, 1576..1683, 3589..3888		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o4.tw	Method	TBLASTX:Wheat
Start	1365	End	1682
GI	none	Score	79
Exons	1365..1526, 1381..1554, 1557..1682, 1564..1668		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o4.tc	Method	TBLASTX:Cress
Start	3583	End	3915
GI	none	Score	122
Exons	3583..3915, 3635..3856		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o7.tm	Method	TBLASTX:Maize
Start	3586	End	3979
GI	none	Score	126

Exons	3586..3915, 3746..3979		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o2.tm	Method	TBLASTX:Maize
Start	6505	End	7536
GI	none	Score	70
Exons	6505..6588, 6586..6876, 6618..6875, 7427..7531, 7427..7531, 7441..7536, 7443..7535		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o1.tw	Method	TBLASTX:Wheat
Start	6567	End	7503
GI	none	Score	156
Exons	6567..6713, 6569..6712, 6595..6714, 6679..6876, 6712..6876, 7441..7503, 7441..7503		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o2.tc	Method	TBLASTX:Cress
Start	7509	End	8962
GI	none	Score	94
Exons	7509..7829, 7518..7622, 7519..7779, 7529..7813, 8770..8946, 8798..8962, 8800..8958		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o5.tw	Method	TBLASTX:Wheat
Start	7516	End	7752
GI	none	Score	189
Exons	7516..7752, 7516..7662, 7692..7724		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o4.tm	Method	TBLASTX:Maize
Start	7537	End	8986
GI	none	Score	365
Exons	7537..7776, 7537..7770, 7539..7778, 8784..8978, 8800..8985, 8801..8986		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o2.ts	Method	TBLASTX:Soybean
Start	7681	End	8971
GI	none	Score	150
Exons	7681..7779, 7683..7799, 8781..8963, 8784..8963, 8797..8964, 8798..8971, 8800..8970		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-

Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o6.tm	Method	TBLASTX:Maize
Start	9829	End	11018
GI	none	Score	131
Exons	9829..9930, 9836..9928, 9987..10154, 9988..10098, 10008..10196, 10139..10195, 10767..10895, 10769..10894, 10779..10901, 10783..10899, 10808..11008, 10881..11012, 10908..11018		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o3.tc	Method	TBLASTX:Cress
Start	10944	End	11909
GI	none	Score	83
Exons	10944..11021, 11615..11881, 11622..11909		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o3.tm	Method	TBLASTX:Maize
Start	11582	End	11849
GI	none	Score	67
Exons	11582..11848, 11587..11682, 11601..11849		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o3.gp	Method	AAT/GAP
Start	13026	End	13859
GI	43215_1.R1084	Score	1445
Exons	13026..13749, 13836..13859		
GI Descrip.	'2827651/emb|CAA16605.1| 1.0e-33 (AL021637) putative protein [Arabidopsis thaliana]'		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o3.gs	Method	GENSCAN
Start	13270	End	15056
GI	none	Score	.85
Exons	13270..13749, 13836..14207, 14682..15056		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o4.np	Method	AAT/NAP
Start	13276	End	16674
GI	2827651	Score	627
Exons	13276..13749, 13836..14188, 16597..16674		
GI Descrip.	(AL021637) putative protein [Arabidopsis thaliana]		

Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o3.ts	Method	TBLASTX:Soybean
Start	13313	End	13482
GI	none	Score	118

Exons	13313..13477, 13324..13482		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o5.tm	Method	TBLASTX:Maize
Start	13381	End	14051
GI	none	Score	71
Exons	13381..13548, 13384..13470, 13549..13749, 13565..13750, 13819..13896, 13820..13861, 13836..13982, 13944..14051, 13972..14043		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o5.tc	Method	TBLASTX:Cress
Start	13525	End	13949
GI	none	Score	66
Exons	13525..13749, 13526..13750, 13836..13949		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o3.tw	Method	TBLASTX:Wheat
Start	13974	End	14246
GI	none	Score	167
Exons	13974..14246, 13990..14145		
Seq. No.	5253	Seq. ID	OJ990402_20.9B19.C3
Gene No.	10947	Strand	-
Start	13270	End	16674
Name	OJ990402_20.9B19.C3.o4.gp	Method	AAT/GAP
Start	14660	End	15068
GI	64353_1.R1084	Score	739
Exons	14660..15068		
GI Descrip.	'2286121 2.0e-31 (U88068) sec14 like protein [Oryza sativa]'		
Seq. No.	5254	Seq. ID	OJ990402_20.9B19.C4
Gene No.	10948	Strand	-
Start	5294	End	5647
Name	OJ990402_20.9B19.C4.o1.np	Method	AAT/NAP
Start	5294	End	5647
GI	2660668	Score	278
Exons	5294..5647		
GI Descrip.	(AC002342) unknown protein [Arabidopsis thaliana]		
Seq. No.	5254	Seq. ID	OJ990402_20.9B19.C4
Gene No.	10948	Strand	-
Start	5294	End	5647
Name	OJ990402_20.9B19.C4.o1.ts	Method	TBLASTX:Soybean
Start	5315	End	5533
GI	none	Score	89
Exons	5315..5533, 5346..5510		
Seq. No.	5254	Seq. ID	OJ990402_20.9B19.C4
Gene No.	10948	Strand	-
Start	5294	End	5647

Name	OJ990402_20.9B19.C4.o1.tm	Method	TBLASTX:Maize
Start	5339	End	5647
GI	none	Score	90
Exons	5339..5530, 5340..5528, 5540..5647, 5541..5645		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10949	Strand	+
Start	14607	End	20744
Name	OJ990402_20.9B19.C5.o3.gs	Method	GENSCAN
Start	14607	End	20744
GI	none	Score	.85
Exons	14607..14688, 15067..15260, 15488..15994, 16600..16806, 17205..17541, 17669..17830, 18044..18143, 18230..18439, 18530..18644, 19188..19394, 19537..19593, 19932..20054, 20135..20269, 20631..20744		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10949	Strand	+
Start	14607	End	20744
Name	OJ990402_20.9B19.C5.o4.np	Method	AAT/NAP
Start	15521	End	20284
GI	4678263	Score	1740
Exons	15521..15994, 16600..16806, 17205..17541, 17669..17830, 18044..18143, 18230..18439, 18530..18644, 19188..19394, 19537..19638, 19932..20054, 20135..20284		
GI Descrip.	(AL049657) brefeldin A-sensitive Golgi protein-like [Arabidopsis thaliana]		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10949	Strand	+
Start	14607	End	20744
Name	OJ990402_20.9B19.C5.o2.gp	Method	AAT/GAP
Start	17731	End	19368
GI	26637_1.R1084	Score	1299
Exons	17731..17830, 18044..18143, 18230..18439, 18530..18644, 19188..19368		
GI Descrip.	'2286121 2.0e-31 (U88068) sec14 like protein [Oryza sativa]'		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10950	Strand	+
Start	20666	End	21010
Name	OJ990402_20.9B19.C5.o3.gp	Method	AAT/GAP
Start	20666	End	21010
GI	3768939	Score	604
Exons	20666..21010		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10951	Strand	-
Start	1	End	982
Name	OJ990402_20.9B19.C5.o1.np	Method	AAT/NAP
Start	1	End	906
GI	4406788	Score	278
Exons	1..20, 531..906		
GI Descrip.	(AC006532) unknown protein [Arabidopsis thaliana]		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10951	Strand	-

Start	1	End	982
Name	OJ990402_20.9B19.C5.o1.gs	Method	GENSCAN
Start	22	End	982
GI	none	Score	.47
Exons	22..384, 548..982		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10952	Strand	-
Start	3173	End	3555
Name	OJ990402_20.9B19.C5.o1.gp	Method	AAT/GAP
Start	3173	End	3555
GI	none	Score	758
Exons	3173..3555		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10953	Strand	-
Start	8973	End	15424
Name	OJ990402_20.9B19.C5.o2.np	Method	AAT/NAP
Start	8973	End	15424
GI	6907098	Score	555
Exons	8973..9032, 9246..9374, 9682..9926, 15330..15424		
GI Descrip.	(AP001129) EST AU031036(E60617) corresponds to a region of the predicted gene.; Similar to Human mRNA for KIAA0310 gene. (AB002308) [Oryza sativa]		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10953	Strand	-
Start	8973	End	15424
Name	OJ990402_20.9B19.C5.o3.np	Method	AAT/NAP
Start	10258	End	12952
GI	2829915	Score	1439
Exons	10258..11789, 11817..12316, 12905..12952		
GI Descrip.	(AC002291) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o3.tm	Method	TBLASTX:Maize
Start	668	End	3335
GI	none	Score	215
Exons	668..922, 669..923, 865..924, 3224..3331, 3228..3335		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o3.ts	Method	TBLASTX:Soybean
Start	9009	End	9362
GI	none	Score	107
Exons	9009..9110, 9025..9108, 9031..9111, 9105..9167, 9107..9172, 9225..9362		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o2.ts	Method	TBLASTX:Soybean
Start	10261	End	10708
GI	none	Score	38

Exons	10261..10707, 10262..10288, 10385..10708		
Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o4.tm	Method	TBLASTX:Maize
Start	10261	End	11136
GI	none	Score	132
Exons	10261..10740, 10400..10750, 10990..11136, 11009..11107		
Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o1.tc	Method	TBLASTX:Cress
Start	10441	End	12039
GI	none	Score	156
Exons	10441..10824, 10457..10825, 10990..11136, 11956..12039		
Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	10498	End	12039
GI	none	Score	99
Exons	10498..10566, 10573..11049, 10633..10749, 10634..10873, 11068..11286, 11443..11778, 11923..12039		
Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o2.tm	Method	TBLASTX:Maize
Start	10753	End	12003
GI	none	Score	387
Exons	10753..10938, 11146..11289, 11512..11667, 11543..11983, 11545..12003		
Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o3.tc	Method	TBLASTX:Cress
Start	10831	End	12129
GI	none	Score	68
Exons	10831..10938, 11167..11790, 11416..11595, 11417..11548, 11443..11784, 11629..11661, 11836..11955, 12073..12129		
Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o4.tc	Method	TBLASTX:Cress
Start	15575	End	15841
GI	none	Score	222
Exons	15575..15841		
Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o1.tm	Method	TBLASTX:Maize

Start	16597	End	20775
GI	none	Score	85
Exons	16597..16656, 16599..16664, 16599..16655, 16701..16802, 16701..16802, 16702..16806, 17178..17546, 17186..17539, 17666..17830, 17667..17831, 17670..17831, 17671..17832, 18049..18120, 18051..18116, 18058..18120, 18225..18323, 18230..18313, 18273..18443, 18301..18444, 18303..18446, 18320..18445, 18328..18447, 18491..18640, 18513..18653, 18528..18653, 18529..18666, 19156..19317, 19188..19394, 19190..19396, 19190..19348, 19536..19640, 19536..19640, 19537..19641, 19906..20055, 19914..20054, 19927..20058, 19931..20059, 19932..20063, 20128..20313, 20135..20269, 20209..20274, 20612..20752, 20625..20768, 20625..20768, 20629..20775		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o2.tc	Method	TBLASTX:Cress
Start	16615	End	17455
GI	none	Score	43
Exons	16615..16665, 16713..16805, 16714..16806, 17178..17450, 17200..17388, 17201..17455		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o1.ts	Method	TBLASTX:Soybean
Start	17279	End	18446
GI	none	Score	312
Exons	17279..17536, 17280..17546, 17658..17831, 17665..17832, 17682..17855, 18039..18134, 18043..18144, 18225..18275, 18227..18268, 18303..18446, 18326..18442		

Seq. No.	5255	Seq. ID	OJ990402_20.9B19.C5
Gene No.	10954	Strand	-
Start	21348	End	21515
Name	OJ990402_20.9B19.C5.o4.gs	Method	GENSCAN
Start	21348	End	21515
GI	none	Score	.97
Exons	21348..21515		

Seq. No.	5256	Seq. ID	OJ990402_20.9B19.C6
Gene No.	10955	Strand	-
Start	500	End	636
Name	OJ990402_20.9B19.C6.o1.gs	Method	GENSCAN
Start	500	End	636
GI	none	Score	.73
Exons	500..636		

Seq. No.	5257	Seq. ID	OJ990402_20.9B19.C9
Gene No.	10956	Strand	-
Start	1	End	643
Name	OJ990402_20.9B19.C9.o1.np	Method	AAT/NAP
Start	1	End	643
GI	4388818	Score	277
Exons	1..643		

GI Descrip. (AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	5257	Seq. ID	OJ990402_20.9B19.C9
Gene No.	10956	Strand	-
Start	1	End	643
Name	OJ990402_20.9B19.C9.o1.gs	Method	GENSCAN
Start	120	End	597
GI	none	Score	.41
Exons	120..597		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10957	Strand	+
Start	802	End	3003
Name	OJ990402_20.9B19.C10.o1.gs	Method	GENSCAN
Start	802	End	3003
GI	none	Score	.86
Exons	802..3003		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10957	Strand	+
Start	802	End	3003
Name	OJ990402_20.9B19.C10.o1.np	Method	AAT/NAP
Start	1231	End	2928
GI	2792220	Score	645
Exons	1231..2241, 2281..2928		

GI Descrip. (AF032688) NBS-LRR type resistance protein [Oryza sativa]

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10958	Strand	+
Start	5704	End	9510
Name	OJ990402_20.9B19.C10.o3.gs	Method	GENSCAN
Start	5704	End	9510
GI	none	Score	.83
Exons	5704..6202, 6331..6894, 9103..9218, 9382..9510		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10958	Strand	+
Start	5704	End	9510
Name	OJ990402_20.9B19.C10.o4.np	Method	AAT/NAP
Start	8950	End	9435
GI	5042454	Score	238
Exons	8950..9146, 9382..9435		

GI Descrip. (AC007789) putative polyprotein [Oryza sativa]

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10959	Strand	-
Start	3464	End	8758
Name	OJ990402_20.9B19.C10.o2.np	Method	AAT/NAP
Start	3464	End	8758
GI	6069646	Score	952
Exons	3464..4435, 4718..5522, 8733..8758		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o6.tm	Method	TBLASTX:Maize
Start	1156	End	1527
GI	none	Score	74
Exons	1156..1362, 1227..1508, 1228..1527, 1363..1527		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o1.tc	Method	TBLASTX:Cress
Start	1378	End	2112
GI	none	Score	120
Exons	1378..1509, 1573..1644, 1741..1788, 1822..1965, 1987..2112		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o3.ts	Method	TBLASTX:Soybean
Start	1401	End	1920
GI	none	Score	85
Exons	1401..1433, 1402..1467, 1471..1563, 1488..1589, 1581..1742, 1585..1743, 1687..1920		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o7.tm	Method	TBLASTX:Maize
Start	1756	End	2217
GI	none	Score	123
Exons	1756..1995, 1993..2217, 2058..2216		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o5.ts	Method	TBLASTX:Soybean
Start	1951	End	2220
GI	none	Score	177
Exons	1951..2142, 1953..2129, 2149..2220, 2163..2219		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o5.tm	Method	TBLASTX:Maize
Start	3487	End	4068
GI	none	Score	90
Exons	3487..4068, 3562..3915, 3731..4003		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o6.tw	Method	TBLASTX:Wheat
Start	3883	End	4245
GI	none	Score	89
Exons	3883..4035, 4042..4245		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o8.tm	Method	TBLASTX:Maize
Start	4210	End	4498
GI	none	Score	108
Exons	4210..4497, 4370..4498		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o4.ts	Method	TBLASTX:Soybean
Start	4327	End	4875
GI	none	Score	71
Exons	4327..4455, 4373..4468, 4549..4875		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o4.tw	Method	TBLASTX:Wheat
Start	4414	End	4854
GI	none	Score	65
Exons	4414..4539, 4552..4854, 4586..4744		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o3.tm	Method	TBLASTX:Maize
Start	4498	End	5421
GI	none	Score	257
Exons	4498..4938, 4978..5421		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o5.tw	Method	TBLASTX:Wheat
Start	4978	End	5265
GI	none	Score	66
Exons	4978..5265, 4979..5095		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o3.tw	Method	TBLASTX:Wheat
Start	8796	End	12037
GI	none	Score	54
Exons	8796..8891, 11566..11766, 11626..11757, 11785..11988, 11828..12037		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o4.gs	Method	GENSCAN
Start	10635	End	13407
GI	none	Score	.7
Exons	10635..10727, 11638..12015, 12151..12512, 12654..13259,		

13350..13407

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o5.np	Method	AAT/NAP
Start	11533	End	13527
GI	130582	Score	1525
Exons	11533..13527		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	11538	End	11964
GI	none	Score	153
Exons	11538..11783, 11540..11962, 11542..11964		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o2.tc	Method	TBLASTX:Cress
Start	11542	End	12141
GI	none	Score	49
Exons	11542..11751, 11767..11913, 11914..11994, 12031..12141		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o2.ts	Method	TBLASTX:Soybean
Start	11542	End	11940
GI	none	Score	60
Exons	11542..11655, 11543..11641, 11657..11938, 11665..11940		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	12020	End	12466
GI	none	Score	209
Exons	12020..12331, 12025..12330, 12304..12465, 12374..12466		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o2.tw	Method	TBLASTX:Wheat
Start	12115	End	12735
GI	none	Score	70
Exons	12115..12549, 12359..12493, 12586..12735		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527

Name	OJ990402_20.9B19.C10.o4.tm	Method	TBLASTX:Maize
Start	12469	End	12907
GI	none	Score	138
Exons	12469..12897, 12602..12907		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	12484	End	12873
GI	none	Score	90
Exons	12484..12873, 12522..12779, 12578..12853		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o3.gp	Method	AAT/GAP
Start	12496	End	12738
GI	1621494	Score	426
Exons	12496..12738		
GI Descrip.	1621495/dbj|BAA12903| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o3.tc	Method	TBLASTX:Cress
Start	12691	End	12897
GI	none	Score	83
Exons	12691..12897, 12691..12897		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o1.tw	Method	TBLASTX:Wheat
Start	12737	End	13174
GI	none	Score	441
Exons	12737..13174, 12738..13151, 12739..13173		

Seq. No.	5258	Seq. ID	OJ990402_20.9B19.C10
Gene No.	10960	Strand	-
Start	10635	End	13527
Name	OJ990402_20.9B19.C10.o6.np	Method	AAT/NAP
Start	13258	End	13527
GI	99729	Score	111
Exons	13258..13527		
GI Descrip.	hypothetical protein 2 - Arabidopsis thaliana retrotransposon Tal-2 (strain Kashmir) (fragment) gi|1345511|emb|CAA37919| (X53975) orf 2 [Arabidopsis thaliana]		

Seq. No.	5259	Seq. ID	OJ990922_11.9B10.C1
Gene No.	10961	Strand	+
Start	1835	End	2477
Name	OJ990922_11.9B10.C1.o1.tm	Method	TBLASTX:Maize
Start	1204	End	2275
GI	none	Score	82
Exons	1204..1311, 1205..1312, 1330..1401, 1490..1552, 1891..2130,		

1892..2236, 2213..2275

Seq. No.	5259	Seq. ID	OJ990922_11.9B10.C1
Gene No.	10961	Strand	+
Start	1835	End	2477
Name	OJ990922_11.9B10.C1.o2.np	Method	AAT/NAP
Start	1835	End	2477
GI	2792238	Score	258
Exons	1835..2477		
GI Descrip.	(AF032697) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5259	Seq. ID	OJ990922_11.9B10.C1
Gene No.	10961	Strand	+
Start	1835	End	2477
Name	OJ990922_11.9B10.C1.o1.ts	Method	TBLASTX:Soybean
Start	1910	End	2350
GI	none	Score	67
Exons	1910..1978, 1961..2194, 2213..2350		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10962	Strand	+
Start	1	End	2450
Name	OJ990922_11.9B10.C2.o1.np	Method	AAT/NAP
Start	1	End	2450
GI	2213599	Score	97
Exons	1..265, 2425..2450		
GI Descrip.	(AC000348) T7N9.19 [Arabidopsis thaliana]		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10962	Strand	+
Start	1	End	2450
Name	OJ990922_11.9B10.C2.o1.gs	Method	GENSCAN
Start	83	End	973
GI	none	Score	.89
Exons	83..973		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10963	Strand	+
Start	5089	End	9041
Name	OJ990922_11.9B10.C2.o2.np	Method	AAT/NAP
Start	3739	End	7223
GI	5295951	Score	126
Exons	3739..3954, 7187..7223		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10963	Strand	+
Start	5089	End	9041
Name	OJ990922_11.9B10.C2.o3.gs	Method	GENSCAN
Start	5089	End	9041
GI	none	Score	.52
Exons	5089..5385, 5806..5988, 6702..6783, 6902..7017, 7394..7518, 7540..7610, 8971..9041		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10963	Strand	+

Start	5089	End	9041
Name	OJ990922_11.9B10.C2.o3.np	Method	AAT/NAP
Start	5101	End	7630
GI	1167955	Score	821
Exons	5101..5382, 5800..5981, 6090..6214, 6937..7017, 7394..7630		
GI Descrip.	(U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10963	Strand	+
Start	5089	End	9041
Name	OJ990922_11.9B10.C2.o1.gp	Method	AAT/GAP
Start	7049	End	7204
GI	3760120	Score	172
Exons	7049..7204		
GI Descrip.	20255/emb|Z11920|OSHSP82A 1.0e-17 O.sativa gene for heat shock protein 82 HSP82		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10964	Strand	-
Start	2239	End	2808
Name	OJ990922_11.9B10.C2.o2.gs	Method	GENSCAN
Start	2239	End	2808
GI	none	Score	.99
Exons	2239..2338, 2514..2630, 2726..2808		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10965	Strand	
Start	5094	End	7684
Name	OJ990922_11.9B10.C2.o2.tm	Method	TBLASTX:Maize
Start	5094	End	7684
GI	none	Score	284
Exons	5094..5381, 5107..5382, 5258..5383, 5261..5386, 5796..5981, 5800..5988, 6099..6134, 6100..6135, 6925..7020, 6958..7101, 7409..7444, 7463..7492, 7499..7570, 7580..7684		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10965	Strand	
Start	5094	End	7684
Name	OJ990922_11.9B10.C2.o1.tm	Method	TBLASTX:Maize
Start	6597	End	6881
GI	none	Score	178
Exons	6597..6881, 6603..6869		

Seq. No.	5260	Seq. ID	OJ990922_11.9B10.C2
Gene No.	10965	Strand	
Start	5094	End	7684
Name	OJ990922_11.9B10.C2.o1.ts	Method	TBLASTX:Soybean
Start	6600	End	6887
GI	none	Score	53
Exons	6600..6725, 6607..6705, 6726..6872, 6726..6887		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10966	Strand	+
Start	12304	End	13826
Name	OJ990922_11.9B10.C3.o1.gp	Method	AAT/GAP
Start	12243	End	12447

GI	3106669	Score	401
Exons	12243..12447		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10966	Strand	+
Start	12304	End	13826
Name	OJ990922_11.9B10.C3.o4.gs	Method	GENSCAN
Start	12304	End	13695
GI	none	Score	.99
Exons	12304..12590, 12809..13004, 13108..13308, 13456..13695		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10966	Strand	+
Start	12304	End	13826
Name	OJ990922_11.9B10.C3.o3.np	Method	AAT/NAP
Start	12310	End	13692
GI	1167955	Score	925
Exons	12310..12590, 12809..12991, 13104..13308, 13456..13692		
GI Descrip.	(U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] gi|2465428 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10966	Strand	+
Start	12304	End	13826
Name	OJ990922_11.9B10.C3.o2.gp	Method	AAT/GAP
Start	12941	End	13826
GI	3766767	Score	1179
Exons	12941..13004, 13109..13308, 13456..13826		
GI Descrip.	1167955 3.0e-48 (U43497) putative 32.7 kDa jasmonate-induced protein [Hordeum vulgare] >gi_2465428 (AF021257) 32 kDa protein [Hordeum vulgare]		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10967	Strand	-
Start	652	End	5124
Name	OJ990922_11.9B10.C3.o1.np	Method	AAT/NAP
Start	630	End	5124
GI	6172381	Score	859
Exons	630..2484, 2972..3258, 3549..4919, 4950..5124		
GI Descrip.	(AB026839) Pi-b protein [Oryza sativa]		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10967	Strand	-
Start	652	End	5124
Name	OJ990922_11.9B10.C3.o1.gs	Method	GENSCAN
Start	652	End	5124
GI	none	Score	.62
Exons	652..2517, 2928..3041, 4045..5124		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10968	Strand	-
Start	5552	End	5950
Name	OJ990922_11.9B10.C3.o2.np	Method	AAT/NAP
Start	5552	End	5950
GI	82520	Score	529
Exons	5552..5950		
GI Descrip.	hypothetical 16K protein (rbcL-psaI intergenic region) - rice		

chloroplast gi|11994|emb|CAA34006| (X15901) ORF133 [Oryza sativa] gi|226615|prf||1603356AM ORF 133 [Oryza sativa]

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10969	Strand	-
Start	15116	End	15636
Name	OJ990922_11.9B10.C3.o1.ts	Method	TBLASTX:Soybean
Start	856	End	2490
GI	none	Score	101
Exons	856..1182, 1597..1779, 1864..1908, 1942..2157, 2170..2331, 2341..2490		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10969	Strand	-
Start	15116	End	15636
Name	OJ990922_11.9B10.C3.o2.tm	Method	TBLASTX:Maize
Start	1975	End	2466
GI	none	Score	65
Exons	1975..2169, 2008..2148, 2012..2155, 2179..2313, 2389..2466		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10969	Strand	-
Start	15116	End	15636
Name	OJ990922_11.9B10.C3.o1.tm	Method	TBLASTX:Maize
Start	12313	End	13689
GI	none	Score	292
Exons	12313..12591, 12315..12590, 12806..12991, 12806..12991, 12807..12992, 12807..12992, 13072..13149, 13107..13148, 13167..13325, 13168..13302, 13249..13317, 13360..13386, 13456..13506, 13525..13554, 13558..13578, 13642..13689		

Seq. No.	5261	Seq. ID	OJ990922_11.9B10.C3
Gene No.	10969	Strand	-
Start	15116	End	15636
Name	OJ990922_11.9B10.C3.o5.gs	Method	GENSCAN
Start	15116	End	15636
GI	none	Score	.8
Exons	15116..15212, 15475..15564, 15629..15636		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10970	Strand	+
Start	760	End	1172
Name	OJ990922_11.9B10.C4.o1.gs	Method	GENSCAN
Start	760	End	1172
GI	none	Score	.73
Exons	760..948, 1035..1172		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10971	Strand	+
Start	2501	End	16417
Name	OJ990922_11.9B10.C4.o3.np	Method	AAT/NAP
Start	2501	End	16417
GI	6434453	Score	69
Exons	2501..2578, 9190..9620, 11790..11835, 16338..16417		
GI Descrip.	(AL132896) predicted using Genefinder; preliminary prediction [Caenorhabditis elegans]		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10971	Strand	+
Start	2501	End	16417
Name	OJ990922_11.9B10.C4.o3.gs	Method	GENSCAN
Start	6528	End	13704
GI	none	Score	.65
Exons	6528..6636, 7093..7220, 8610..8901, 8942..9735, 10501..10743, 11432..11445, 11586..11821, 12374..12415, 12451..12903, 12926..13704		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10972	Strand	+
Start	32883	End	39172
Name	OJ990922_11.9B10.C4.o4.np	Method	AAT/NAP
Start	32883	End	37231
GI	2582800	Score	462
Exons	32883..33362, 35111..35207, 35268..35338, 36353..36526, 36881..37231		
GI Descrip.	(Y11607) protein phosphatase 2C [Medicago sativa]		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10972	Strand	+
Start	32883	End	39172
Name	OJ990922_11.9B10.C4.o7.gs	Method	GENSCAN
Start	34746	End	39172
GI	none	Score	.48
Exons	34746..34868, 35111..35338, 36353..36526, 36799..37062, 37070..37234, 37355..37395, 38968..39172		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10973	Strand	-
Start	1731	End	6317
Name	OJ990922_11.9B10.C4.o2.gs	Method	GENSCAN
Start	1731	End	6317
GI	none	Score	.66
Exons	1731..2003, 2073..2395, 2476..2706, 2968..3341, 4898..5084, 5138..5647, 6284..6317		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10973	Strand	-
Start	1731	End	6317
Name	OJ990922_11.9B10.C4.o2.np	Method	AAT/NAP
Start	1951	End	5273
GI	6721512	Score	57
Exons	1951..1973, 3235..3347, 5217..5273		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10974	Strand	-
Start	26907	End	27371
Name	OJ990922_11.9B10.C4.o5.gs	Method	GENSCAN
Start	26907	End	27371
GI	none	Score	.59
Exons	26907..27017, 27249..27371		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10975	Strand	-

Start	28634	End	33175
Name	OJ990922_11.9B10.C4.o6.gs	Method	GENSCAN
Start	28634	End	33175
GI	none	Score	.69
Exons	28634..28921, 30751..31017, 32810..33175		

Seq. No.	5262	Seq. ID	OJ990922_11.9B10.C4
Gene No.	10976	Strand	
Start	35111	End	37228
Name	OJ990922_11.9B10.C4.o1.tm	Method	TBLASTX:Maize
Start	35111	End	37228
GI	none	Score	75
Exons	35111..35182, 36361..36438, 36383..36454, 36445..36504, 36446..36523, 36908..36997, 36913..36996, 37007..37084, 37045..37077, 37148..37228, 37190..37228		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10977	Strand	+
Start	2261	End	2752
Name	OJ990922_11.9B10.C5.o2.np	Method	AAT/NAP
Start	2261	End	2752
GI	6056421	Score	243
Exons	2261..2752		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10978	Strand	+
Start	12796	End	15463
Name	OJ990922_11.9B10.C5.o4.np	Method	AAT/NAP
Start	12796	End	15463
GI	6721516	Score	412
Exons	12796..12828, 14719..14960, 15371..15463		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050
Name	OJ990922_11.9B10.C5.o1.np	Method	AAT/NAP
Start	1	End	458
GI	5123941	Score	222
Exons	1..458		
GI Descrip.	(AL079349) putative protein [Arabidopsis thaliana]		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050
Name	OJ990922_11.9B10.C5.o1.gs	Method	GENSCAN
Start	31	End	15050
GI	none	Score	.46
Exons	31..402, 2255..2787, 4796..4911, 5300..5393, 6245..6272, 6963..7104, 7192..7265, 7915..8068, 8172..8317, 8401..8454, 8576..8662, 10360..10464, 12218..12288, 12399..12658, 13386..13497, 14258..14501, 14918..15050		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050

Name	OJ990922_11.9B10.C5.o3.ts	Method	TBLASTX:Soybean
Start	132	End	354
GI	none	Score	126
Exons	132..197, 222..344, 223..354		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050
Name	OJ990922_11.9B10.C5.o1.tc	Method	TBLASTX:Cress
Start	2327	End	2689
GI	none	Score	91
Exons	2327..2425, 2426..2689		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050
Name	OJ990922_11.9B10.C5.o2.ts	Method	TBLASTX:Soybean
Start	2338	End	2689
GI	none	Score	116
Exons	2338..2400, 2339..2425, 2435..2689, 2539..2685		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050
Name	OJ990922_11.9B10.C5.o2.tm	Method	TBLASTX:Maize
Start	2342	End	2503
GI	none	Score	70
Exons	2342..2392, 2347..2391, 2383..2496, 2384..2497, 2456..2503		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050
Name	OJ990922_11.9B10.C5.o3.np	Method	AAT/NAP
Start	4875	End	13251
GI	6048964	Score	535
Exons	4875..4911, 5300..5393, 6245..6323, 6963..7104, 7192..7265, 7373..7444, 7691..7828, 7915..7972, 12399..12542, 13230..13251		
GI Descrip.	(AF103798) unknown [Homo sapiens]		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050
Name	OJ990922_11.9B10.C5.o1.ts	Method	TBLASTX:Soybean
Start	5215	End	7804
GI	none	Score	112
Exons	5215..5394, 5297..5395, 6246..6329, 6250..6324, 6281..6325, 6963..7103, 6976..7107, 6979..7101, 7188..7265, 7189..7272, 7371..7445, 7373..7447, 7691..7804, 7692..7778		

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050
Name	OJ990922_11.9B10.C5.o1.tw	Method	TBLASTX:Wheat
Start	6975	End	7831
GI	none	Score	189
Exons	6975..7103, 6976..7107, 6979..7104, 7175..7264, 7188..7265, 7192..7266, 7196..7270, 7356..7445, 7373..7465, 7376..7447,		

7670..7831, 7692..7829, 7696..7830

Seq. No.	5263	Seq. ID	OJ990922_11.9B10.C5
Gene No.	10979	Strand	-
Start	1	End	15050
Name	OJ990922_11.9B10.C5.o1.tm	Method	TBLASTX:Maize
Start	6996	End	8457
GI	none	Score	65
Exons	6996..7037, 6997..7038, 7018..7104, 7037..7129, 7038..7130, 7038..7103, 7064..7105, 7175..7261, 7188..7265, 7192..7266, 7193..7270, 7356..7445, 7372..7446, 7373..7447, 7373..7447, 7686..7829, 7691..7831, 7692..7829, 7693..7845, 7705..7875, 7912..8064, 7913..8062, 7915..8067, 8167..8301, 8171..8302, 8171..8311, 8191..8334, 8398..8457, 8399..8455		

Seq. No.	5264	Seq. ID	OJ990922_11.9B10.C6
Gene No.	10980	Strand	+
Start	57	End	1736
Name	OJ990922_11.9B10.C6.o1.gs	Method	GENSCAN
Start	57	End	1736
GI	none	Score	.68
Exons	57..216, 748..874, 961..1059, 1197..1325, 1407..1543, 1582..1736		

Seq. No.	5264	Seq. ID	OJ990922_11.9B10.C6
Gene No.	10981	Strand	+
Start	7818	End	12567
Name	OJ990922_11.9B10.C6.o3.gs	Method	GENSCAN
Start	7818	End	12567
GI	none	Score	.92
Exons	7818..7887, 8645..9711, 10912..11200, 11522..11766, 12039..12196, 12348..12567		

Seq. No.	5264	Seq. ID	OJ990922_11.9B10.C6
Gene No.	10981	Strand	+
Start	7818	End	12567
Name	OJ990922_11.9B10.C6.o2.gp	Method	AAT/GAP
Start	11522	End	11700
GI	2309676	Score	308
Exons	11522..11700		

Seq. No.	5264	Seq. ID	OJ990922_11.9B10.C6
Gene No.	10982	Strand	+
Start	15407	End	15696
Name	OJ990922_11.9B10.C6.o3.gp	Method	AAT/GAP
Start	15407	End	15696
GI	none	Score	559
Exons	15407..15696		

Seq. No.	5264	Seq. ID	OJ990922_11.9B10.C6
Gene No.	10983	Strand	-
Start	1	End	17105
Name	OJ990922_11.9B10.C6.o1.np	Method	AAT/NAP
Start	1	End	17105
GI	3450883	Score	70
Exons	1..48, 939..1001, 1883..1969, 7757..7959, 13635..13821, 17008..17105		
GI Descrip.	(AF083334) fibroin [Antheraea pernyi]		

Seq. No.	5264	Seq. ID	OJ990922_11.9B10.C6
Gene No.	10983	Strand	-
Start	1	End	17105
Name	OJ990922_11.9B10.C6.o2.gs	Method	GENSCAN
Start	2464	End	3830
GI	none	Score	.87
Exons	2464..2592, 2929..3065, 3776..3830		

Seq. No.	5264	Seq. ID	OJ990922_11.9B10.C6
Gene No.	10983	Strand	-
Start	1	End	17105
Name	OJ990922_11.9B10.C6.o1.gp	Method	AAT/GAP
Start	2691	End	3184
GI	576771	Score	776
Exons	2691..2902, 2929..3184		
GI Descrip.	576771/gb|U16256|OSU16256 0.0e+00 Oryza sativa cone SR1 sucrose-regulated mRNA, 3'-end sequence		

Seq. No.	5264	Seq. ID	OJ990922_11.9B10.C6
Gene No.	10983	Strand	-
Start	1	End	17105
Name	OJ990922_11.9B10.C6.o1.tm	Method	TBLASTX:Maize
Start	8700	End	12561
GI	none	Score	81
Exons	8700..8768, 8736..8858, 8739..8858, 8750..8860, 8753..8866, 8864..9028, 8880..9011, 8900..9016, 8945..9019, 8974..9147, 9020..9142, 9183..9224, 9186..9230, 9209..9301, 9245..9289, 9257..9706, 9276..9701, 9309..9710, 9310..9711, 9316..9705, 10899..11105, 10909..11106, 10909..11106, 11125..11196, 11127..11195, 11520..11762, 11521..11769, 11522..11764, 12036..12197, 12037..12198, 12037..12198, 12345..12560, 12346..12561		

Seq. No.	5264	Seq. ID	OJ990922_11.9B10.C6
Gene No.	10983	Strand	-
Start	1	End	17105
Name	OJ990922_11.9B10.C6.o1.ts	Method	TBLASTX:Soybean
Start	9239	End	11625
GI	none	Score	273
Exons	9239..9280, 9296..9622, 9310..9627, 9319..9633, 9333..9632, 10870..11115, 10909..11109, 10911..11114, 11110..11196, 11127..11195, 11520..11621, 11521..11625		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10984	Strand	+
Start	196	End	5869
Name	OJ990922_11.9B10.C7.o1.gp	Method	AAT/GAP
Start	196	End	2103
GI	none	Score	1163
Exons	196..325, 1606..2103		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10984	Strand	+
Start	196	End	5869
Name	OJ990922_11.9B10.C7.o1.gs	Method	GENSCAN
Start	265	End	5607

GI	none	Score	.98
Exons	265..463, 1606..2444, 3105..3402, 4613..4857, 5068..5225, 5379..5607		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10984	Strand	+
Start	196	End	5869
Name	OJ990922_11.9B10.C7.o2.gp	Method	AAT/GAP
Start	2334	End	4704
GI	none	Score	949
Exons	2334..2444, 3105..3403, 4613..4704		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10984	Strand	+
Start	196	End	5869
Name	OJ990922_11.9B10.C7.o3.gp	Method	AAT/GAP
Start	4735	End	5432
GI	25279_1.R1084	Score	570
Exons	4735..4857, 5068..5225, 5379..5432		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 3.0e-11 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10984	Strand	+
Start	196	End	5869
Name	OJ990922_11.9B10.C7.o4.gp	Method	AAT/GAP
Start	5449	End	5869
GI	none	Score	811
Exons	5449..5869		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o1.tm	Method	TBLASTX:Maize
Start	1611	End	5594
GI	none	Score	57
Exons	1611..1664, 1724..1768, 1787..1813, 1838..1957, 1839..1973, 1840..1974, 2009..2434, 2055..2444, 2055..2426, 2069..2443, 3104..3298, 3105..3302, 3106..3303, 3308..3400, 3311..3406, 3312..3407, 4611..4856, 4612..4860, 5056..5226, 5063..5236, 5066..5227, 5376..5594, 5377..5448, 5515..5583		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o3.ts	Method	TBLASTX:Soybean
Start	1924	End	4716
GI	none	Score	313
Exons	1924..1962, 2055..2366, 2055..2360, 2069..2365, 3104..3259, 3105..3407, 3217..3408, 3320..3406, 4611..4712, 4612..4716		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o5.gp	Method	AAT/GAP
Start	6873	End	7122
GI	2796679	Score	447

Exons	6873..7122		
Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o1.np	Method	AAT/NAP
Start	6931	End	10975
GI	4581108	Score	1289
Exons	6931..8991, 10703..10975		
GI Descrip.	(AC005825) putative chloroplast outer membrane protein [Arabidopsis thaliana]		
Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o1.ts	Method	TBLASTX:Soybean
Start	6955	End	7668
GI	none	Score	230
Exons	6955..7668, 6968..7435, 7084..7653, 7502..7660		
Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o2.tm	Method	TBLASTX:Maize
Start	6985	End	8988
GI	none	Score	74
Exons	6985..7671, 6986..7114, 7193..7411, 7589..7654, 7675..7779, 7822..7995, 8110..8751, 8129..8269, 8185..8661, 8594..8812, 8803..8988, 8870..8968		
Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o5.ts	Method	TBLASTX:Soybean
Start	7675	End	7998
GI	none	Score	48
Exons	7675..7746, 7680..7832, 7780..7998, 7820..7960		
Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o6.gp	Method	AAT/GAP
Start	7921	End	8444
GI	uC-osflcyp144f09b1	Score	1006
Exons	7921..8444		
GI Descrip.	'4581108/gb|AAD24598.1|AC005825_5 1.0e-24 (AC005825) putative chloroplast outer membrane protein 86,also very similar to GTP-inding protein from pea (GB:L36857) [Arabidopsis thaliana]'		
Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o2.ts	Method	TBLASTX:Soybean
Start	8107	End	8541
GI	none	Score	112
Exons	8107..8541, 8117..8344, 8185..8520, 8384..8539		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o1.tc	Method	TBLASTX:Cress
Start	8239	End	9063
GI	none	Score	80
Exons	8239..8283, 8263..8841, 8711..8812, 8890..9063, 8909..8968		

Seq. No.	5265	Seq. ID	OJ990922_11.9B10.C7
Gene No.	10985	Strand	-
Start	6873	End	10975
Name	OJ990922_11.9B10.C7.o4.ts	Method	TBLASTX:Soybean
Start	8593	End	8988
GI	none	Score	80
Exons	8593..8871, 8684..8806, 8875..8988, 8897..8968		

Seq. No.	5266	Seq. ID	OJ990312_09.9B12.C2
Gene No.	10986	Strand	-
Start	433	End	485
Name	OJ990312_09.9B12.C2.o1.gs	Method	GENSCAN
Start	433	End	485
GI	none	Score	.67
Exons	433..485		

Seq. No.	5267	Seq. ID	OJ990312_09.9B12.C3
Gene No.	10987	Strand	+
Start	38	End	119
Name	OJ990312_09.9B12.C3.o1.gs	Method	GENSCAN
Start	38	End	119
GI	none	Score	.99
Exons	38..119		

Seq. No.	5268	Seq. ID	OJ990312_09.9B12.C5
Gene No.	10988	Strand	-
Start	33	End	545
Name	OJ990312_09.9B12.C5.o1.gs	Method	GENSCAN
Start	33	End	545
GI	none	Score	.63
Exons	33..545		

Seq. No.	5269	Seq. ID	OJ990312_09.9B12.C6
Gene No.	10989	Strand	+
Start	1067	End	1177
Name	OJ990312_09.9B12.C6.o1.gs	Method	GENSCAN
Start	1067	End	1177
GI	none	Score	.85
Exons	1067..1177		

Seq. No.	5269	Seq. ID	OJ990312_09.9B12.C6
Gene No.	10990	Strand	-
Start	2296	End	2843
Name	OJ990312_09.9B12.C6.o2.gs	Method	GENSCAN
Start	2296	End	2843
GI	none	Score	.6
Exons	2296..2436, 2811..2843		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8

Gene No.	10991	Strand	+
Start	1	End	2384
Name	OJ990312_09.9B12.C8.o1.np	Method	AAT/NAP
Start	1	End	2381
GI	4432860	Score	1294
Exons	1..54, 600..791, 849..2381		
GI Descrip.	(AC006300) putative glucose regulated repressor protein [Arabidopsis thaliana]		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10991	Strand	+
Start	1	End	2384
Name	OJ990312_09.9B12.C8.o1.gp	Method	AAT/GAP
Start	284	End	548
GI	LIB3475-007-P1-K1-H1	Score	296
Exons	284..333, 415..548		
GI Descrip.	'2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10991	Strand	+
Start	1	End	2384
Name	OJ990312_09.9B12.C8.o1.gs	Method	GENSCAN
Start	432	End	2384
GI	none	Score	.75
Exons	432..2384		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10992	Strand	+
Start	5303	End	5782
Name	OJ990312_09.9B12.C8.o3.gp	Method	AAT/GAP
Start	5303	End	5782
GI	none	Score	879
Exons	5303..5782		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10993	Strand	-
Start	1963	End	3174
Name	OJ990312_09.9B12.C8.o2.gp	Method	AAT/GAP
Start	1963	End	3174
GI	15630_1.R1084	Score	2317
Exons	1963..3174		
GI Descrip.	'4432860/gb|AAD20708| 9.0e-28 (AC006300) putative glucose-induced repressor protein [Arabidopsis thaliana]'		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o1.tm	Method	TBLASTX:Maize
Start	612	End	3160
GI	none	Score	89
Exons	612..662, 864..1268, 914..1264, 957..1019, 978..1175, 978..1076, 981..1211, 996..1238, 999..1163, 1017..1169, 1058..1276, 1059..1319, 1086..1310, 1092..1304, 1095..1232, 1101..1208, 1119..1238, 1182..1286, 1268..1822, 1269..1793, 1443..1727, 1482..1679, 1494..1916, 1497..1619, 1737..1946, 1796..2323, 1797..2315, 1797..2366, 1809..1964, 1812..1970, 1815..1949,		

1943..2323, 2031..2162, 2055..2162, 2166..2348, 2315..2380,
2316..2384, 2323..2391, 2341..2400, 2409..2453, 2418..2459,
2422..2460, 2422..2466, 2493..2588, 2545..2628, 2553..2642,
2554..2643, 2554..2643, 2652..2681, 2653..2682, 3039..3158,
3045..3131, 3056..3160

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o1.ts	Method	TBLASTX:Soybean
Start	615	End	2312
GI	none	Score	96

Exons 615..749, 864..1250, 869..1249, 966..1073, 975..1133,
1014..1211, 1023..1169, 1035..1136, 1059..1319, 1092..1277,
1101..1208, 1170..1310, 1212..1310, 1251..1673, 1265..1573,
1347..1595, 1476..1712, 1488..1727, 1509..1652, 1656..2312,
1676..2299, 1809..1871, 1809..1946, 1812..1973, 1854..1943,
2010..2162, 2058..2153

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o1.tc	Method	TBLASTX:Cress
Start	975	End	2255
GI	none	Score	91

Exons 975..1175, 981..1967, 992..1966, 1056..1334, 1173..1343,
1812..1973, 1977..2045, 2049..2156, 2055..2162, 2055..2162,
2058..2255

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o1.tw	Method	TBLASTX:Wheat
Start	1280	End	1943
GI	none	Score	315

Exons 1280..1507, 1284..1502, 1291..1503, 1292..1507, 1854..1943

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o2.gs	Method	GENSCAN
Start	3403	End	8343
GI	none	Score	.81

Exons 3403..3462, 4160..4213, 6101..6175, 6279..6335, 6419..6535,
7320..7439, 7525..7647, 8001..8047, 8081..8090, 8218..8343

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o3.tm	Method	TBLASTX:Maize
Start	5773	End	6538
GI	none	Score	71

Exons 5773..5892, 5784..5861, 5793..5921, 5794..5892, 6096..6176,
6100..6177, 6101..6178, 6102..6176, 6259..6333, 6260..6334,
6277..6336, 6278..6337, 6416..6535, 6417..6536, 6419..6538

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8

Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o2.np	Method	AAT/NAP
Start	5793	End	8343
GI	5051782	Score	542
Exons	5793..5891, 6101..6175, 6279..6335, 6419..6535, 7320..7436, 7525..7647, 8001..8090, 8218..8343		
GI Descrip.	(AL078637) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o2.ts	Method	TBLASTX:Soybean
Start	5817	End	6535
GI	none	Score	88
Exons	5817..5894, 6101..6178, 6102..6176, 6255..6338, 6262..6327, 6398..6520, 6414..6530, 6416..6535		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o4.gp	Method	AAT/GAP
Start	6275	End	8347
GI	17868_1.R1084	Score	1130
Exons	6275..6335, 6419..6535, 7320..7439, 7525..7647, 8001..8090, 8218..8347		
GI Descrip.	'2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o3.ts	Method	TBLASTX:Soybean
Start	7323	End	8349
GI	none	Score	59
Exons	7323..7418, 7531..7653, 7996..8094, 8001..8093, 8194..8343, 8221..8349, 8226..8345		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o2.tm	Method	TBLASTX:Maize
Start	7341	End	8349
GI	none	Score	127
Exons	7341..7445, 7342..7440, 7524..7646, 7525..7647, 7525..7647, 7993..8094, 8001..8099, 8001..8093, 8002..8094, 8194..8343, 8214..8348, 8215..8349, 8217..8345		

Seq. No.	5270	Seq. ID	OJ990312_09.9B12.C8
Gene No.	10994	Strand	-
Start	3403	End	8349
Name	OJ990312_09.9B12.C8.o2.tc	Method	TBLASTX:Cress
Start	7992	End	8349
GI	none	Score	82
Exons	7992..8093, 8162..8344, 8194..8343, 8217..8345, 8218..8349		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10995	Strand	+
Start	8074	End	8160
Name	OJ990312_09.9B12.C9.o3.gp	Method	AAT/GAP
Start	8074	End	8160
GI	LIB3477-003-P1-K1-E9	Score	122
Exons	8074..8160		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10996	Strand	+
Start	13177	End	13316
Name	OJ990312_09.9B12.C9.o3.gs	Method	GENSCAN
Start	13177	End	13316
GI	none	Score	.95
Exons	13177..13316		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10997	Strand	-
Start	1	End	4463
Name	OJ990312_09.9B12.C9.o1.gp	Method	AAT/GAP
Start	1	End	461
GI	17868_1.R1084	Score	261
Exons	1..24, 107..162, 247..321, 415..461		
GI Descrip.	'2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10997	Strand	-
Start	1	End	4463
Name	OJ990312_09.9B12.C9.o1.np	Method	AAT/NAP
Start	1	End	2320
GI	2632254	Score	516
Exons	1..159, 238..321, 415..522, 781..852, 973..1035, 2150..2320		
GI Descrip.	(Y12465) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10997	Strand	-
Start	1	End	4463
Name	OJ990312_09.9B12.C9.o1.gs	Method	GENSCAN
Start	109	End	4463
GI	none	Score	.53
Exons	109..201, 247..321, 415..522, 781..852, 2150..2358, 3303..3369, 4131..4302, 4426..4463		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10997	Strand	-
Start	1	End	4463
Name	OJ990312_09.9B12.C9.o2.gp	Method	AAT/GAP
Start	792	End	2424
GI	2309840	Score	693
Exons	792..852, 973..1035, 2150..2424		
GI Descrip.	2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10998	Strand	-
Start	7753	End	12037
Name	OJ990312_09.9B12.C9.o1.tm	Method	TBLASTX:Maize
Start	102	End	1056
GI	none	Score	72
Exons	102..161, 106..165, 106..201, 250..321, 260..325, 261..323, 415..519, 416..520, 775..852, 779..874, 779..853, 968..1036, 970..1056, 970..1038		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10998	Strand	-
Start	7753	End	12037
Name	OJ990312_09.9B12.C9.o1.tc	Method	TBLASTX:Cress
Start	106	End	2303
GI	none	Score	66
Exons	106..156, 109..156, 227..322, 244..321, 415..513, 419..502, 778..852, 779..853, 970..1038, 971..1039, 2147..2302, 2169..2303		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10998	Strand	-
Start	7753	End	12037
Name	OJ990312_09.9B12.C9.o1.ts	Method	TBLASTX:Soybean
Start	106	End	2302
GI	none	Score	88
Exons	106..156, 236..325, 244..321, 415..513, 416..517, 778..852, 779..838, 970..1038, 971..1039, 2147..2302, 2181..2297		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10998	Strand	-
Start	7753	End	12037
Name	OJ990312_09.9B12.C9.o2.tm	Method	TBLASTX:Maize
Start	2145	End	2315
GI	none	Score	230
Exons	2145..2315, 2147..2314		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10998	Strand	-
Start	7753	End	12037
Name	OJ990312_09.9B12.C9.o2.gs	Method	GENSCAN
Start	7753	End	12037
GI	none	Score	.67
Exons	7753..7854, 8388..8522, 8622..8720, 9005..9095, 9193..9366, 9455..10102, 10328..10560, 10631..10899, 11989..12037		

Seq. No.	5271	Seq. ID	OJ990312_09.9B12.C9
Gene No.	10998	Strand	-
Start	7753	End	12037
Name	OJ990312_09.9B12.C9.o1.tw	Method	TBLASTX:Wheat
Start	10327	End	10699
GI	none	Score	62
Exons	10327..10545, 10628..10699		

Seq. No.	5272	Seq. ID	OJ990312_09.9B12.C10
Gene No.	10999	Strand	-
Start	1	End	1806
Name	OJ990312_09.9B12.C10.o1.np	Method	AAT/NAP

Start	1	End	1806
GI	4680204	Score	606
Exons	1..36, 556..1806		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5272	Seq. ID	OJ990312_09.9B12.C10
Gene No.	10999	Strand	-
Start	1	End	1806
Name	OJ990312_09.9B12.C10.o1.gs	Method	GENSCAN
Start	568	End	1791
GI	none	Score	.49
Exons	568..786, 1082..1390, 1432..1791		

Seq. No.	5272	Seq. ID	OJ990312_09.9B12.C10
Gene No.	10999	Strand	-
Start	1	End	1806
Name	OJ990312_09.9B12.C10.o1.tw	Method	TBLASTX:Wheat
Start	910	End	1211
GI	none	Score	81
Exons	910..1203, 991..1173, 1070..1210, 1077..1211		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11000	Strand	+
Start	67	End	198
Name	OJ990312_09.9B12.C11.o1.gs	Method	GENSCAN
Start	67	End	198
GI	none	Score	.99
Exons	67..198		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o2.gs	Method	GENSCAN
Start	1237	End	7965
GI	none	Score	.49
Exons	1237..1309, 1382..2839, 2854..3581, 3756..3929, 3943..4569, 7698..7753, 7911..7965		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o1.np	Method	AAT/NAP
Start	1258	End	4556
GI	4680203	Score	3268
Exons	1258..2235, 2512..2742, 2895..4556		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o1.tw	Method	TBLASTX:Wheat
Start	1318	End	2634
GI	none	Score	51
Exons	1318..1404, 1322..1378, 1393..1473, 1421..1474, 1478..1558, 1480..1596, 1498..1599, 1606..1665, 1634..1669, 1672..1713, 1672..1716, 1711..2628, 1727..2629, 2449..2634		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o1.tc	Method	TBLASTX:Cress
Start	1894	End	2341
GI	none	Score	86
Exons	1894..2043, 1894..2337, 1898..2341, 2006..2341		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o2.tm	Method	TBLASTX:Maize
Start	2272	End	2586
GI	none	Score	135
Exons	2272..2586, 2300..2575		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o3.tw	Method	TBLASTX:Wheat
Start	2635	End	3039
GI	none	Score	69
Exons	2635..2715, 2636..2716, 2641..2721, 2749..2856, 2789..2857, 2838..2990, 2859..2975, 2976..3038, 2989..3039		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o2.ts	Method	TBLASTX:Soybean
Start	3072	End	3314
GI	none	Score	54
Exons	3072..3314, 3130..3228, 3256..3309		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o1.tm	Method	TBLASTX:Maize
Start	3144	End	3602
GI	none	Score	99
Exons	3144..3338, 3348..3602, 3348..3590		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o2.tw	Method	TBLASTX:Wheat
Start	3178	End	3647
GI	none	Score	164
Exons	3178..3384, 3178..3387, 3183..3407, 3385..3477, 3386..3460, 3387..3482, 3387..3485, 3471..3593, 3489..3593, 3493..3594, 3591..3647, 3595..3639		

Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o2.tc	Method	TBLASTX:Cress
Start	3435	End	3783
GI	none	Score	84

Exons	3435..3776, 3454..3582, 3631..3783		
Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o1.ts	Method	TBLASTX:Soybean
Start	3516	End	3923
GI	none	Score	110
Exons	3516..3812, 3529..3780, 3807..3869, 3862..3915, 3870..3923		
Seq. No.	5273	Seq. ID	OJ990312_09.9B12.C11
Gene No.	11001	Strand	-
Start	1237	End	7965
Name	OJ990312_09.9B12.C11.o4.tw	Method	TBLASTX:Wheat
Start	3876	End	4263
GI	none	Score	153
Exons	3876..3923, 3913..4119, 3914..4120, 4129..4263		
Seq. No.	5274	Seq. ID	OJ990312_09.9B12.C12
Gene No.	11002	Strand	-
Start	111	End	3246
Name	OJ990312_09.9B12.C12.o1.gp	Method	AAT/GAP
Start	111	End	1083
GI	none	Score	806
Exons	111..486, 1030..1083		
Seq. No.	5274	Seq. ID	OJ990312_09.9B12.C12
Gene No.	11002	Strand	-
Start	111	End	3246
Name	OJ990312_09.9B12.C12.o1.gs	Method	GENSCAN
Start	467	End	3246
GI	none	Score	.4
Exons	467..486, 1030..1107, 1198..1273, 1856..1899, 2750..2853, 3194..3246		
Seq. No.	5274	Seq. ID	OJ990312_09.9B12.C12
Gene No.	11002	Strand	-
Start	111	End	3246
Name	OJ990312_09.9B12.C12.o2.gp	Method	AAT/GAP
Start	1085	End	1612
GI	none	Score	778
Exons	1085..1107, 1198..1612		
Seq. No.	5274	Seq. ID	OJ990312_09.9B12.C12
Gene No.	11002	Strand	-
Start	111	End	3246
Name	OJ990312_09.9B12.C12.o3.gp	Method	AAT/GAP
Start	2510	End	3139
GI	none	Score	836
Exons	2510..2672, 2750..2853, 2935..3139		
Seq. No.	5275	Seq. ID	OJ990312_09.9B12.C13
Gene No.	11003	Strand	+
Start	1	End	14405
Name	OJ990312_09.9B12.C13.o1.np	Method	AAT/NAP
Start	1	End	14405
GI	2708709	Score	135

Exons	1..30, 3895..4453, 4481..4505, 10862..10946, 11531..11628, 14349..14405		
GI Descrip.	(AF038575) Wiskott-Aldrich Syndrome protein homolog [Schizosaccharomyces pombe]		

Seq. No.	5275	Seq. ID	OJ990312_09.9B12.C13
Gene No.	11003	Strand	+
Start	1	End	14405
Name	OJ990312_09.9B12.C13.o1.gs	Method	GENSCAN
Start	1143	End	1195
GI	none	Score	.7
Exons	1143..1195		

Seq. No.	5275	Seq. ID	OJ990312_09.9B12.C13
Gene No.	11003	Strand	+
Start	1	End	14405
Name	OJ990312_09.9B12.C13.o1.gp	Method	AAT/GAP
Start	7177	End	7269
GI	LIB3477-003-P1-K1-E9	Score	88
Exons	7177..7269		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5275	Seq. ID	OJ990312_09.9B12.C13
Gene No.	11003	Strand	+
Start	1	End	14405
Name	OJ990312_09.9B12.C13.o3.gs	Method	GENSCAN
Start	9724	End	12099
GI	none	Score	.9
Exons	9724..9726, 9822..10192, 10239..10410, 10691..10798, 11493..11783, 11794..12099		

Seq. No.	5275	Seq. ID	OJ990312_09.9B12.C13
Gene No.	11004	Strand	-
Start	11821	End	13465
Name	OJ990312_09.9B12.C13.o2.np	Method	AAT/NAP
Start	11821	End	13465
GI	2828285	Score	76
Exons	11821..11996, 13367..13465		
GI Descrip.	(AL021687) putative protein [Arabidopsis thaliana]		

Seq. No.	5276	Seq. ID	OJ990312_09.9B12.C17
Gene No.	11005	Strand	-
Start	1	End	471
Name	OJ990312_09.9B12.C17.o1.np	Method	AAT/NAP
Start	1	End	471
GI	5852180	Score	45
Exons	1..41, 135..193, 422..471		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5276	Seq. ID	OJ990312_09.9B12.C17
Gene No.	11005	Strand	-
Start	1	End	471
Name	OJ990312_09.9B12.C17.o1.gs	Method	GENSCAN
Start	135	End	188
GI	none	Score	.62

Exons	135..188		
Seq. No.	5277	Seq. ID	OJ990312_09.9B12.C18
Gene No.	11006	Strand	-
Start	768	End	969
Name	OJ990312_09.9B12.C18.o1.gs	Method	GENSCAN
Start	768	End	969
GI	none	Score	.76
Exons	768..969		
Seq. No.	5278	Seq. ID	OJ990312_09.9B12.C19
Gene No.	11007	Strand	-
Start	323	End	463
Name	OJ990312_09.9B12.C19.o1.gs	Method	GENSCAN
Start	323	End	463
GI	none	Score	.89
Exons	323..463		
Seq. No.	5279	Seq. ID	OJ990312_09.9B12.C24
Gene No.	11008	Strand	+
Start	445	End	510
Name	OJ990312_09.9B12.C24.o1.gp	Method	AAT/GAP
Start	445	End	510
GI	none	Score	83
Exons	445..510		
Seq. No.	5280	Seq. ID	OJ990312_09.9B12.C26
Gene No.	11009	Strand	+
Start	306	End	404
Name	OJ990312_09.9B12.C26.o1.gs	Method	GENSCAN
Start	306	End	404
GI	none	Score	.92
Exons	306..404		
Seq. No.	5281	Seq. ID	OJ990312_09.9B12.C28
Gene No.	11010	Strand	-
Start	1	End	542
Name	OJ990312_09.9B12.C28.o1.np	Method	AAT/NAP
Start	1	End	542
GI	6498441	Score	242
Exons	1..280, 334..542		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	5281	Seq. ID	OJ990312_09.9B12.C28
Gene No.	11010	Strand	-
Start	1	End	542
Name	OJ990312_09.9B12.C28.o1.tw	Method	TBLASTX:Wheat
Start	4	End	369
GI	none	Score	61
Exons	4..369, 15..110, 22..177, 38..241		
Seq. No.	5281	Seq. ID	OJ990312_09.9B12.C28
Gene No.	11010	Strand	-
Start	1	End	542
Name	OJ990312_09.9B12.C28.o1.gs	Method	GENSCAN

Start	172	End	450
GI	none	Score	.93
Exons	172..450		

Seq. No.	5282	Seq. ID	OJ990312_09.9B12.C29
Gene No.	11011	Strand	+
Start	85	End	635
Name	OJ990312_09.9B12.C29.o1.gs	Method	GENSCAN
Start	85	End	635
GI	none	Score	.91
Exons	85..191, 608..635		

Seq. No.	5282	Seq. ID	OJ990312_09.9B12.C29
Gene No.	11012	Strand	-
Start	1388	End	2213
Name	OJ990312_09.9B12.C29.o2.gs	Method	GENSCAN
Start	1388	End	2213
GI	none	Score	.76
Exons	1388..1834, 1872..2213		

Seq. No.	5283	Seq. ID	OJ990312_09.9B12.C30
Gene No.	11013	Strand	+
Start	192	End	1763
Name	OJ990312_09.9B12.C30.o1.gs	Method	GENSCAN
Start	192	End	1763
GI	none	Score	.77
Exons	192..241, 1601..1763		

Seq. No.	5283	Seq. ID	OJ990312_09.9B12.C30
Gene No.	11014	Strand	+
Start	3046	End	7650
Name	OJ990312_09.9B12.C30.o2.gs	Method	GENSCAN
Start	3046	End	7650
GI	none	Score	.72
Exons	3046..3146, 4751..4925, 5225..5443, 6809..7192, 7426..7650		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11015	Strand	+
Start	3744	End	9640
Name	OJ990312_09.9B12.C31.o1.np	Method	AAT/NAP
Start	3744	End	9640
GI	4680183	Score	1167
Exons	3744..3804, 6125..6382, 6409..7636, 8102..8143, 8231..8625, 9501..9640		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11016	Strand	+
Start	11646	End	12443
Name	OJ990312_09.9B12.C31.o2.np	Method	AAT/NAP
Start	11646	End	12443
GI	4512231	Score	1342
Exons	11646..12443		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+

Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o1.tm	Method	TBLASTX:Maize
Start	1504	End	2174
GI	none	Score	502
Exons	1504..1917, 1509..1919, 1690..1926, 1999..2115, 2040..2114, 2107..2169, 2110..2172, 2111..2173, 2112..2174		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o6.tm	Method	TBLASTX:Maize
Start	2292	End	2498
GI	none	Score	265
Exons	2292..2498, 2297..2497		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o4.tw	Method	TBLASTX:Wheat
Start	3923	End	4243
GI	none	Score	348
Exons	3923..4243, 3931..4221		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o4.tm	Method	TBLASTX:Maize
Start	4109	End	4379
GI	none	Score	314
Exons	4109..4348, 4109..4345, 4111..4347, 4188..4379		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o8.tw	Method	TBLASTX:Wheat
Start	6455	End	6852
GI	none	Score	124
Exons	6455..6631, 6628..6852		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o5.tw	Method	TBLASTX:Wheat
Start	7435	End	8202
GI	none	Score	128
Exons	7435..7617, 7443..7616, 7654..7890, 7656..7880, 7948..8202, 8037..8198		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o3.tm	Method	TBLASTX:Maize
Start	8299	End	14804
GI	none	Score	49
Exons	8299..8370, 8367..8711, 14361..14804, 14432..14599		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31

Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o2.tw	Method	TBLASTX:Wheat
Start	8308	End	14775
GI	none	Score	47
Exons	8308..8370, 8367..8600, 14291..14731, 14292..14774, 14316..14771, 14401..14775		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o10.tw	Method	TBLASTX:Wheat
Start	8604	End	8792
GI	none	Score	192
Exons	8604..8792		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o3.np	Method	AAT/NAP
Start	12666	End	15629
GI	4680179	Score	3346
Exons	12666..13721, 13749..15629		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o9.tw	Method	TBLASTX:Wheat
Start	12872	End	13070
GI	none	Score	205
Exons	12872..13069, 12873..13070, 12876..13070		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o6.tw	Method	TBLASTX:Wheat
Start	13119	End	13472
GI	none	Score	315
Exons	13119..13316, 13122..13472		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o7.tm	Method	TBLASTX:Maize
Start	13122	End	13427
GI	none	Score	247
Exons	13122..13427, 13122..13358		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o7.tw	Method	TBLASTX:Wheat
Start	13806	End	14159
GI	none	Score	253
Exons	13806..14159		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o8.tm	Method	TBLASTX:Maize
Start	14163	End	14360
GI	none	Score	196
Exons	14163..14360, 14201..14359		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o3.ts	Method	TBLASTX:Soybean
Start	14328	End	14642
GI	none	Score	190
Exons	14328..14642		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o1.ts	Method	TBLASTX:Soybean
Start	14715	End	15110
GI	none	Score	57
Exons	14715..14747, 14715..14747, 14751..14804, 14753..14794, 14865..15110, 14867..15100		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o3.tw	Method	TBLASTX:Wheat
Start	14837	End	15125
GI	none	Score	62
Exons	14837..14929, 14861..15124, 14865..15125		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o5.tm	Method	TBLASTX:Maize
Start	14877	End	15191
GI	none	Score	307
Exons	14877..15191, 14912..15190		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o1.tw	Method	TBLASTX:Wheat
Start	15126	End	15551
GI	none	Score	596
Exons	15126..15551, 15128..15544, 15201..15551		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o2.ts	Method	TBLASTX:Soybean
Start	15132	End	15380
GI	none	Score	207
Exons	15132..15380		

Seq. No.	5284	Seq. ID	OJ990312_09.9B12.C31
Gene No.	11017	Strand	+
Start	12666	End	15629
Name	OJ990312_09.9B12.C31.o2.tm	Method	TBLASTX:Maize
Start	15198	End	15551
GI	none	Score	460
Exons	15198..15551, 15203..15544		

Seq. No.	5285	Seq. ID	OJ990312_09.9B12.C32
Gene No.	11018	Strand	+
Start	1	End	1329
Name	OJ990312_09.9B12.C32.o1.np	Method	AAT/NAP
Start	1	End	1326
GI	4680179	Score	2065
Exons	1..1326		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5285	Seq. ID	OJ990312_09.9B12.C32
Gene No.	11018	Strand	+
Start	1	End	1329
Name	OJ990312_09.9B12.C32.o2.tw	Method	TBLASTX:Wheat
Start	3	End	315
GI	none	Score	170
Exons	3..311, 4..315, 33..311		

Seq. No.	5285	Seq. ID	OJ990312_09.9B12.C32
Gene No.	11018	Strand	+
Start	1	End	1329
Name	OJ990312_09.9B12.C32.o1.tc	Method	TBLASTX:Cress
Start	22	End	339
GI	none	Score	88
Exons	22..195, 196..339, 198..338		

Seq. No.	5285	Seq. ID	OJ990312_09.9B12.C32
Gene No.	11018	Strand	+
Start	1	End	1329
Name	OJ990312_09.9B12.C32.o1.gs	Method	GENSCAN
Start	88	End	1329
GI	none	Score	.57
Exons	88..1329		

Seq. No.	5285	Seq. ID	OJ990312_09.9B12.C32
Gene No.	11018	Strand	+
Start	1	End	1329
Name	OJ990312_09.9B12.C32.o1.ts	Method	TBLASTX:Soybean
Start	103	End	363
GI	none	Score	302
Exons	103..363, 114..362		

Seq. No.	5285	Seq. ID	OJ990312_09.9B12.C32
Gene No.	11018	Strand	+
Start	1	End	1329
Name	OJ990312_09.9B12.C32.o2.tm	Method	TBLASTX:Maize
Start	161	End	453
GI	none	Score	165
Exons	161..448, 162..449, 162..449, 163..453		

Seq. No.	5285	Seq. ID	OJ990312_09.9B12.C32
Gene No.	11018	Strand	+
Start	1	End	1329
Name	OJ990312_09.9B12.C32.o1.tw	Method	TBLASTX:Wheat
Start	322	End	948
GI	none	Score	712
Exons	322..948, 378..830, 888..947		

Seq. No.	5285	Seq. ID	OJ990312_09.9B12.C32
Gene No.	11018	Strand	+
Start	1	End	1329
Name	OJ990312_09.9B12.C32.o1.tm	Method	TBLASTX:Maize
Start	501	End	1086
GI	none	Score	225
Exons	501..656, 502..663, 516..665, 888..1085	660..833, 661..1086, 820..1065,	

Seq. No.	5285	Seq. ID	OJ990312_09.9B12.C32
Gene No.	11018	Strand	+
Start	1	End	1329
Name	OJ990312_09.9B12.C32.o3.tw	Method	TBLASTX:Wheat
Start	948	End	1281
GI	none	Score	315
Exons	948..1229, 949..1281		

Seq. No.	5286	Seq. ID	OJ990312_09.9B12.C33
Gene No.	11019	Strand	+
Start	1	End	893
Name	OJ990312_09.9B12.C33.o1.np	Method	AAT/NAP
Start	1	End	893
GI	6063554	Score	132
Exons	1..45, 720..893		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11020	Strand	+
Start	1	End	2883
Name	OJ990312_09.9B12.C34.o1.np	Method	AAT/NAP
Start	1	End	2880
GI	5902445	Score	2204
Exons	1..58, 410..1597, 1637..2880		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11020	Strand	+
Start	1	End	2883
Name	OJ990312_09.9B12.C34.o1.gs	Method	GENSCAN
Start	445	End	2883
GI	none	Score	.41
Exons	445..1294, 1343..2213, 2318..2883		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11021	Strand	-
Start	3514	End	4013
Name	OJ990312_09.9B12.C34.o1.ts	Method	TBLASTX:Soybean

Start	407	End	757
GI	none	Score	211
Exons	407..757		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11021	Strand	-
Start	3514	End	4013
Name	OJ990312_09.9B12.C34.o4.tw	Method	TBLASTX:Wheat
Start	418	End	778
GI	none	Score	303
Exons	418..768, 419..778		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11021	Strand	-
Start	3514	End	4013
Name	OJ990312_09.9B12.C34.o2.tm	Method	TBLASTX:Maize
Start	424	End	850
GI	none	Score	242
Exons	424..657, 425..679, 698..772, 777..815, 830..850		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11021	Strand	-
Start	3514	End	4013
Name	OJ990312_09.9B12.C34.o3.tw	Method	TBLASTX:Wheat
Start	848	End	1255
GI	none	Score	201
Exons	848..1072, 887..1072, 901..1074, 1082..1255, 1190..1255		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11021	Strand	-
Start	3514	End	4013
Name	OJ990312_09.9B12.C34.o1.tm	Method	TBLASTX:Maize
Start	1757	End	2062
GI	none	Score	324
Exons	1757..2062, 1774..2061		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11021	Strand	-
Start	3514	End	4013
Name	OJ990312_09.9B12.C34.o2.tw	Method	TBLASTX:Wheat
Start	1757	End	2140
GI	none	Score	343
Exons	1757..2140, 1765..2139		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11021	Strand	-
Start	3514	End	4013
Name	OJ990312_09.9B12.C34.o1.tw	Method	TBLASTX:Wheat
Start	2264	End	2871
GI	none	Score	82
Exons	2264..2341, 2305..2715, 2412..2519, 2740..2871, 2745..2870		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11021	Strand	-
Start	3514	End	4013
Name	OJ990312_09.9B12.C34.o3.tm	Method	TBLASTX:Maize
Start	2569	End	2835

GI	none	Score	158
Exons	2569..2751, 2638..2757, 2742..2801, 2752..2835		

Seq. No.	5287	Seq. ID	OJ990312_09.9B12.C34
Gene No.	11021	Strand	-
Start	3514	End	4013
Name	OJ990312_09.9B12.C34.o2.gs	Method	GENSCAN
Start	3514	End	4013
GI	none	Score	.8
Exons	3514..4013		

Seq. No.	5288	Seq. ID	OJ990312_09.9B12.C35
Gene No.	11022	Strand	-
Start	1	End	2138
Name	OJ990312_09.9B12.C35.o1.np	Method	AAT/NAP
Start	1	End	994
GI	6721561	Score	807
Exons	1..544, 610..668, 739..994		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5288	Seq. ID	OJ990312_09.9B12.C35
Gene No.	11022	Strand	-
Start	1	End	2138
Name	OJ990312_09.9B12.C35.o1.gs	Method	GENSCAN
Start	80	End	2138
GI	none	Score	.68
Exons	80..324, 369..554, 610..668, 739..930, 998..1122, 1288..1626, 1819..1959, 2069..2138		

Seq. No.	5288	Seq. ID	OJ990312_09.9B12.C35
Gene No.	11022	Strand	-
Start	1	End	2138
Name	OJ990312_09.9B12.C35.o2.np	Method	AAT/NAP
Start	139	End	1918
GI	6721558	Score	269
Exons	139..362, 988..1122, 1819..1918		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5289	Seq. ID	OJ990312_09.9B12.C36
Gene No.	11023	Strand	+
Start	1	End	686
Name	OJ990312_09.9B12.C36.o1.np	Method	AAT/NAP
Start	1	End	594
GI	22490	Score	191
Exons	1..594		
GI Descrip.	(X01380) ORF1 [Zea mays]		

Seq. No.	5289	Seq. ID	OJ990312_09.9B12.C36
Gene No.	11023	Strand	+
Start	1	End	686
Name	OJ990312_09.9B12.C36.o1.gs	Method	GENSCAN

Start	127	End	679
GI	none	Score	.84
Exons	127..196, 621..679		

Seq. No.	5289	Seq. ID	OJ990312_09.9B12.C36
Gene No.	11023	Strand	+
Start	1	End	686
Name	OJ990312_09.9B12.C36.o1.ts	Method	TBLASTX:Soybean
Start	300	End	513
GI	none	Score	200
Exons	300..512, 310..513		

Seq. No.	5289	Seq. ID	OJ990312_09.9B12.C36
Gene No.	11023	Strand	+
Start	1	End	686
Name	OJ990312_09.9B12.C36.o1.tm	Method	TBLASTX:Maize
Start	327	End	686
GI	none	Score	141
Exons	327..527, 328..528, 330..527, 356..532, 648..686		

Seq. No.	5290	Seq. ID	OJ990312_09.9B12.C37
Gene No.	11024	Strand	+
Start	1	End	4314
Name	OJ990312_09.9B12.C37.o1.np	Method	AAT/NAP
Start	1	End	1804
GI	5852180	Score	529
Exons	1..116, 169..239, 1220..1375, 1437..1804		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5290	Seq. ID	OJ990312_09.9B12.C37
Gene No.	11024	Strand	+
Start	1	End	4314
Name	OJ990312_09.9B12.C37.o1.gs	Method	GENSCAN
Start	186	End	541
GI	none	Score	.52
Exons	186..239, 336..541		

Seq. No.	5290	Seq. ID	OJ990312_09.9B12.C37
Gene No.	11024	Strand	+
Start	1	End	4314
Name	OJ990312_09.9B12.C37.o2.gs	Method	GENSCAN
Start	1455	End	4314
GI	none	Score	.53
Exons	1455..1871, 2735..2896, 4204..4314		

Seq. No.	5290	Seq. ID	OJ990312_09.9B12.C37
Gene No.	11025	Strand	+
Start	5143	End	6992
Name	OJ990312_09.9B12.C37.o3.gs	Method	GENSCAN
Start	5143	End	6992
GI	none	Score	.9
Exons	5143..5307, 6294..6992		

Seq. No.	5290	Seq. ID	OJ990312_09.9B12.C37
Gene No.	11026	Strand	-
Start	88	End	471
Name	OJ990312_09.9B12.C37.o1.gp	Method	AAT/GAP

Start	88	End	471
GI	uC-osf1cyp033a04b1	Score	655
Exons	88..471		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5290	Seq. ID	OJ990312_09.9B12.C37
Gene No.	11027	Strand	-
Start	9121	End	9290
Name	OJ990312_09.9B12.C37.o2.gp	Method	AAT/GAP
Start	9121	End	9290
GI	2796906	Score	305
Exons	9121..9290		

Seq. No.	5291	Seq. ID	OJ990312_09.9B12.C38
Gene No.	11028	Strand	-
Start	1	End	6842
Name	OJ990312_09.9B12.C38.o1.np	Method	AAT/NAP
Start	1	End	4281
GI	4877649	Score	416
Exons	1..73, 891..1117, 3850..4110, 4168..4281		
GI Descrip.	(AF114162) gibberellin MYB transcription factor [Lolium temulentum]		

Seq. No.	5291	Seq. ID	OJ990312_09.9B12.C38
Gene No.	11028	Strand	-
Start	1	End	6842
Name	OJ990312_09.9B12.C38.o1.gs	Method	GENSCAN
Start	76	End	6842
GI	none	Score	.8
Exons	76..312, 379..1117, 2368..2385, 3850..4333, 4491..4558, 5189..5325, 5426..5537, 6678..6842		

Seq. No.	5291	Seq. ID	OJ990312_09.9B12.C38
Gene No.	11029	Strand	-
Start	7035	End	7337
Name	OJ990312_09.9B12.C38.o1.tc	Method	TBLASTX:Cress
Start	1052	End	4101
GI	none	Score	186
Exons	1052..1114, 3853..4101, 3857..4099		

Seq. No.	5291	Seq. ID	OJ990312_09.9B12.C38
Gene No.	11029	Strand	-
Start	7035	End	7337
Name	OJ990312_09.9B12.C38.o1.tm	Method	TBLASTX:Maize
Start	1061	End	4110
GI	none	Score	105
Exons	1061..1114, 3856..4110, 3932..4108		

Seq. No.	5291	Seq. ID	OJ990312_09.9B12.C38
Gene No.	11029	Strand	-
Start	7035	End	7337
Name	OJ990312_09.9B12.C38.o1.tw	Method	TBLASTX:Wheat
Start	1064	End	4110
GI	none	Score	55
Exons	1064..1114, 1074..1115, 3856..4110, 3857..4099		

Seq. No.	5291	Seq. ID	OJ990312_09.9B12.C38
Gene No.	11029	Strand	-
Start	7035	End	7337
Name	OJ990312_09.9B12.C38.o1.ts	Method	TBLASTX:Soybean
Start	3856	End	4101
GI	none	Score	100
Exons	3856..4101, 3932..4042, 4079..4099		

Seq. No.	5291	Seq. ID	OJ990312_09.9B12.C38
Gene No.	11029	Strand	-
Start	7035	End	7337
Name	OJ990312_09.9B12.C38.o2.gs	Method	GENSCAN
Start	7035	End	7337
GI	none	Score	.94
Exons	7035..7337		

Seq. No.	5292	Seq. ID	OJ990312_09.9B12.C40
Gene No.	11030	Strand	+
Start	1	End	879
Name	OJ990312_09.9B12.C40.o1.gp	Method	AAT/GAP
Start	1	End	879
GI	17868_1.R1084	Score	395
Exons	1..81, 581..706, 834..879		
GI Descrip.	'2632254/emb|CAA73068| 1.0e-17 (Y12465) serine/threonine kinase [Sorghum bicolor]'		

Seq. No.	5292	Seq. ID	OJ990312_09.9B12.C40
Gene No.	11030	Strand	+
Start	1	End	879
Name	OJ990312_09.9B12.C40.o1.np	Method	AAT/NAP
Start	1	End	879
GI	6715641	Score	244
Exons	1..81, 581..712, 834..879		
GI Descrip.	(AC007323) T25K16.13 [Arabidopsis thaliana]		

Seq. No.	5292	Seq. ID	OJ990312_09.9B12.C40
Gene No.	11030	Strand	+
Start	1	End	879
Name	OJ990312_09.9B12.C40.o1.tc	Method	TBLASTX:Cress
Start	25	End	762
GI	none	Score	92
Exons	25..84, 575..706, 579..707, 580..762, 581..730		

Seq. No.	5292	Seq. ID	OJ990312_09.9B12.C40
Gene No.	11030	Strand	+
Start	1	End	879
Name	OJ990312_09.9B12.C40.o1.tm	Method	TBLASTX:Maize
Start	25	End	878
GI	none	Score	103
Exons	25..84, 28..84, 29..88, 575..709, 576..710, 579..707, 581..730, 825..872, 830..877, 831..878		

Seq. No.	5292	Seq. ID	OJ990312_09.9B12.C40
Gene No.	11030	Strand	+
Start	1	End	879
Name	OJ990312_09.9B12.C40.o1.ts	Method	TBLASTX:Soybean
Start	34	End	872

GI	none	Score	85
Exons	34..84, 580..660, 581..709, 831..872		

Seq. No.	5292	Seq. ID	OJ990312_09.9B12.C40
Gene No.	11030	Strand	+
Start	1	End	879
Name	OJ990312_09.9B12.C40.o1.gs	Method	GENSCAN
Start	581	End	706
GI	none	Score	.98
Exons	581..706		

Seq. No.	5293	Seq. ID	OJ990312_09.9B12.C41
Gene No.	11031	Strand	+
Start	154	End	361
Name	OJ990312_09.9B12.C41.o1.gs	Method	GENSCAN
Start	154	End	361
GI	none	Score	.96
Exons	154..361		

Seq. No.	5294	Seq. ID	OJ990712_04.9B24.C2
Gene No.	11032	Strand	+
Start	1	End	1169
Name	OJ990712_04.9B24.C2.o1.gp	Method	AAT/GAP
Start	1	End	403
GI	2310235	Score	159
Exons	1..87, 378..403		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	5294	Seq. ID	OJ990712_04.9B24.C2
Gene No.	11032	Strand	+
Start	1	End	1169
Name	OJ990712_04.9B24.C2.o1.np	Method	AAT/NAP
Start	1	End	1169
GI	4680203	Score	1432
Exons	1..1169		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5294	Seq. ID	OJ990712_04.9B24.C2
Gene No.	11032	Strand	+
Start	1	End	1169
Name	OJ990712_04.9B24.C2.o2.gp	Method	AAT/GAP
Start	1	End	1169
GI	342_1.R1084	Score	1878
Exons	1..1169		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5294	Seq. ID	OJ990712_04.9B24.C2
Gene No.	11032	Strand	+
Start	1	End	1169
Name	OJ990712_04.9B24.C2.o2.tw	Method	TBLASTX:Wheat
Start	299	End	621
GI	none	Score	103
Exons	299..406, 389..619, 390..614, 397..621		

Seq. No.	5294	Seq. ID	OJ990712_04.9B24.C2

Gene No.	11032	Strand	+
Start	1	End	1169
Name	OJ990712_04.9B24.C2.o1.ts	Method	TBLASTX:Soybean
Start	572	End	1001
GI	none	Score	64
Exons	572..619, 648..710, 705..1001, 759..983		

Seq. No.	5294	Seq. ID	OJ990712_04.9B24.C2
Gene No.	11032	Strand	+
Start	1	End	1169
Name	OJ990712_04.9B24.C2.o1.tc	Method	TBLASTX:Cress
Start	734	End	1049
GI	none	Score	275
Exons	734..886, 741..1049, 926..1021		

Seq. No.	5294	Seq. ID	OJ990712_04.9B24.C2
Gene No.	11032	Strand	+
Start	1	End	1169
Name	OJ990712_04.9B24.C2.o1.tm	Method	TBLASTX:Maize
Start	741	End	1126
GI	none	Score	67
Exons	741..830, 846..1049, 869..1048, 1043..1126		

Seq. No.	5294	Seq. ID	OJ990712_04.9B24.C2
Gene No.	11032	Strand	+
Start	1	End	1169
Name	OJ990712_04.9B24.C2.o1.tw	Method	TBLASTX:Wheat
Start	869	End	1168
GI	none	Score	276
Exons	869..1048, 870..1049, 1042..1137, 1042..1167, 1043..1168		

Seq. No.	5295	Seq. ID	OJ990712_04.9B24.C3
Gene No.	11033	Strand	+
Start	1	End	1728
Name	OJ990712_04.9B24.C3.o1.gp	Method	AAT/GAP
Start	1	End	1728
GI	342_1.R1084	Score	2606
Exons	1..1174, 1210..1229, 1312..1407, 1517..1728		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5295	Seq. ID	OJ990712_04.9B24.C3
Gene No.	11033	Strand	+
Start	1	End	1728
Name	OJ990712_04.9B24.C3.o1.np	Method	AAT/NAP
Start	1	End	1081
GI	4680203	Score	974
Exons	1..1081		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5295	Seq. ID	OJ990712_04.9B24.C3
Gene No.	11033	Strand	+
Start	1	End	1728
Name	OJ990712_04.9B24.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	445
GI	none	Score	81
Exons	2..61, 3..62, 52..441, 64..435, 65..445		

Seq. No.	5295	Seq. ID	OJ990712_04.9B24.C3
Gene No.	11033	Strand	+
Start	1	End	1728
Name	OJ990712_04.9B24.C3.o1.tw	Method	TBLASTX:Wheat
Start	2	End	1027
GI	none	Score	86
Exons	2..61, 3..62, 50..199, 51..596, 52..612, 65..628, 296..613, 623..667, 627..662, 670..765, 674..733, 712..852, 713..853, 781..861, 866..946, 935..1027, 961..1026		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11034	Strand	+
Start	874	End	4549
Name	OJ990712_04.9B24.C4.o1.np	Method	AAT/NAP
Start	874	End	4528
GI	4680204	Score	1008
Exons	874..2310, 2385..3444, 3554..3727, 3824..4043, 4394..4528		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11034	Strand	+
Start	874	End	4549
Name	OJ990712_04.9B24.C4.o1.gs	Method	GENSCAN
Start	889	End	4549
GI	none	Score	.67
Exons	889..2310, 2385..2526, 2652..3444, 3554..3727, 3824..3934, 4019..4091, 4186..4284, 4364..4549		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11035	Strand	+
Start	6975	End	13064
Name	OJ990712_04.9B24.C4.o2.gs	Method	GENSCAN
Start	6975	End	13064
GI	none	Score	.91
Exons	6975..9886, 9983..13064		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11035	Strand	+
Start	6975	End	13064
Name	OJ990712_04.9B24.C4.o2.np	Method	AAT/NAP
Start	6975	End	13028
GI	5922631	Score	6663
Exons	6975..7099, 7358..7620, 7864..8033, 8079..8650, 8693..8844, 8971..9894, 10501..13028		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi|6016864|dbj|BAA85207.1| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o8.tw	Method	TBLASTX:Wheat

Start	1517	End	1920
GI	none	Score	62
Exons	1517..1657, 1517..1627, 1519..1755, 1519..1668, 1620..1787, 1750..1920		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o7.tw	Method	TBLASTX:Wheat
Start	8255	End	8657
GI	none	Score	301
Exons	8255..8524, 8256..8657		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o6.tw	Method	TBLASTX:Wheat
Start	9234	End	9691
GI	none	Score	149
Exons	9234..9410, 9455..9691, 9459..9689		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o7.tm	Method	TBLASTX:Maize
Start	9542	End	9689
GI	none	Score	183
Exons	9542..9688, 9543..9689		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o1.tw	Method	TBLASTX:Wheat
Start	9911	End	10367
GI	none	Score	497
Exons	9911..10366, 9912..10367		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o3.ts	Method	TBLASTX:Soybean
Start	9951	End	10316
GI	none	Score	138
Exons	9951..10175, 10182..10316		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o2.tm	Method	TBLASTX:Maize
Start	10041	End	10397
GI	none	Score	375
Exons	10041..10397, 10082..10387, 10104..10397		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o2.tw	Method	TBLASTX:Wheat

Start	10482	End	10906
GI	none	Score	443
Exons	10482..10901, 10526..10906		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o1.ts	Method	TBLASTX:Soybean
Start	10560	End	10961
GI	none	Score	314
Exons	10560..10961, 10577..10720, 10757..10927		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o3.tm	Method	TBLASTX:Maize
Start	10628	End	11072
GI	none	Score	276
Exons	10628..10882, 10629..10883, 10653..10889, 10904..11035, 10905..11048, 11046..11072		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o9.tw	Method	TBLASTX:Wheat
Start	10910	End	11192
GI	none	Score	276
Exons	10910..10987, 10911..11192, 11046..11180		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o2.ts	Method	TBLASTX:Soybean
Start	11187	End	11575
GI	none	Score	261
Exons	11187..11573, 11195..11290, 11327..11575		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o4.tw	Method	TBLASTX:Wheat
Start	11196	End	11618
GI	none	Score	412
Exons	11196..11618, 11204..11542		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o5.tm	Method	TBLASTX:Maize
Start	11249	End	11522
GI	none	Score	127
Exons	11249..11419, 11259..11420, 11424..11522, 11456..11521		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o10.tw	Method	TBLASTX:Wheat

Start	11634	End	11933
GI	none	Score	137
Exons	11634..11768, 11793..11933		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o1.tm	Method	TBLASTX:Maize
Start	11931	End	12254
GI	none	Score	447
Exons	11931..12254, 11951..12241		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o3.tw	Method	TBLASTX:Wheat
Start	11936	End	12323
GI	none	Score	417
Exons	11936..12247, 11937..12323, 12138..12323		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o6.tm	Method	TBLASTX:Maize
Start	12395	End	12668
GI	none	Score	95
Exons	12395..12502, 12396..12494, 12485..12559, 12489..12572, 12582..12668		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o5.tw	Method	TBLASTX:Wheat
Start	12438	End	13052
GI	none	Score	273
Exons	12438..12716, 12458..12547, 12599..12700, 12771..12929, 12915..13052		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o4.tm	Method	TBLASTX:Maize
Start	12780	End	13013
GI	none	Score	149
Exons	12780..12932, 12872..12931, 12911..13012, 12912..13013		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842
Name	OJ990712_04.9B24.C4.o3.gs	Method	GENSCAN
Start	13381	End	13763
GI	none	Score	.63
Exons	13381..13763		

Seq. No.	5296	Seq. ID	OJ990712_04.9B24.C4
Gene No.	11036	Strand	-
Start	13381	End	13842

Name	OJ990712_04.9B24.C4.o3.np	Method	AAT/NAP
Start	13384	End	13842
GI	5902446	Score	616
Exons	13384..13842		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	5297	Seq. ID	OJ990712_04.9B24.C5
Gene No.	11037	Strand	-
Start	1	End	639
Name	OJ990712_04.9B24.C5.o1.gp	Method	AAT/GAP
Start	1	End	639
GI	342_1.R1084	Score	1182
Exons	1..639		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5297	Seq. ID	OJ990712_04.9B24.C5
Gene No.	11037	Strand	-
Start	1	End	639
Name	OJ990712_04.9B24.C5.o1.np	Method	AAT/NAP
Start	1	End	639
GI	6742729	Score	1008
Exons	1..639		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	5297	Seq. ID	OJ990712_04.9B24.C5
Gene No.	11037	Strand	-
Start	1	End	639
Name	OJ990712_04.9B24.C5.o1.tw	Method	TBLASTX:Wheat
Start	1	End	386
GI	none	Score	388
Exons	1..60, 2..385, 3..386		

Seq. No.	5297	Seq. ID	OJ990712_04.9B24.C5
Gene No.	11037	Strand	-
Start	1	End	639
Name	OJ990712_04.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	29	End	343
GI	none	Score	147
Exons	29..343, 30..332		

Seq. No.	5298	Seq. ID	OJ990712_04.9B24.C6
Gene No.	11038	Strand	-
Start	544	End	672
Name	OJ990712_04.9B24.C6.o1.gs	Method	GENSCAN
Start	544	End	672
GI	none	Score	.65
Exons	544..672		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11039	Strand	+
Start	1	End	2256
Name	OJ990712_04.9B24.C8.o1.np	Method	AAT/NAP
Start	1	End	2256
GI	4680179	Score	3169
Exons	1..2256		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11039	Strand	+
Start	1	End	2256
Name	OJ990712_04.9B24.C8.o1.gs	Method	GENSCAN
Start	45	End	2197
GI	none	Score	.93
Exons	45..2197		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11040	Strand	+
Start	2860	End	3845
Name	OJ990712_04.9B24.C8.o2.gs	Method	GENSCAN
Start	2860	End	3845
GI	none	Score	.71
Exons	2860..3234, 3402..3465, 3760..3845		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11041	Strand	+
Start	4274	End	4655
Name	OJ990712_04.9B24.C8.o1.gp	Method	AAT/GAP
Start	4274	End	4655
GI	uC-osf1cyp033a04b1	Score	655
Exons	4274..4655		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o1.ts	Method	TBLASTX:Soybean
Start	1	End	238
GI	none	Score	292
Exons	1..237, 2..238, 2..238		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o5.tw	Method	TBLASTX:Wheat
Start	1	End	253
GI	none	Score	306
Exons	1..237, 2..247, 5..253		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o4.tm	Method	TBLASTX:Maize
Start	2	End	319
GI	none	Score	312
Exons	2..319, 106..318		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o3.tw	Method	TBLASTX:Wheat
Start	254	End	9347
GI	none	Score	589

Exons	254..676, 286..642, 317..664, 9267..9347		
Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o3.ts	Method	TBLASTX:Soybean
Start	260	End	505
GI	none	Score	210
Exons	260..505, 277..504		
Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o2.tm	Method	TBLASTX:Maize
Start	325	End	688
GI	none	Score	479
Exons	325..627, 326..679, 326..688		
Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o2.tw	Method	TBLASTX:Wheat
Start	679	End	1246
GI	none	Score	654
Exons	679..1245, 710..1246		
Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o2.tc	Method	TBLASTX:Cress
Start	953	End	1270
GI	none	Score	92
Exons	953..1126, 1127..1270, 1129..1269		
Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o2.ts	Method	TBLASTX:Soybean
Start	1034	End	1294
GI	none	Score	286
Exons	1034..1294, 1039..1293		
Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o3.tm	Method	TBLASTX:Maize
Start	1092	End	1384
GI	none	Score	87
Exons	1092..1247, 1093..1380, 1094..1384		
Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o1.tw	Method	TBLASTX:Wheat
Start	1253	End	1879
GI	none	Score	674
Exons	1253..1879, 1309..1767, 1754..1876		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o1.tm	Method	TBLASTX:Maize
Start	1433	End	2032
GI	none	Score	218
Exons	1433..1594, 1437..1478, 1441..1587, 1592..2032, 1592..1675, 1594..2016, 1754..2017		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o4.tw	Method	TBLASTX:Wheat
Start	1879	End	2212
GI	none	Score	344
Exons	1879..2145, 1880..2212, 1883..2170		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o2.np	Method	AAT/NAP
Start	2975	End	8070
GI	5852180	Score	456
Exons	2975..3524, 4504..4574, 8047..8070		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o3.gs	Method	GENSCAN
Start	4195	End	9563
GI	none	Score	.52
Exons	4195..4405, 4504..4557, 5290..5297, 7311..7531, 8273..8461, 8597..9331, 9420..9563		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o3.np	Method	AAT/NAP
Start	6085	End	9609
GI	5852176	Score	1279
Exons	6085..6117, 7621..7738, 8220..8250, 8348..8513, 8805..9105, 9160..9331, 9420..9609		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o1.tc	Method	TBLASTX:Cress
Start	9126	End	9334
GI	none	Score	79
Exons	9126..9329, 9144..9326, 9188..9334		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609

Name	OJ990712_04.9B24.C8.o4.ts	Method	TBLASTX:Soybean
Start	9126	End	9339
GI	none	Score	39
Exons	9126..9212, 9217..9246, 9219..9338, 9228..9338, 9280..9339		

Seq. No.	5299	Seq. ID	OJ990712_04.9B24.C8
Gene No.	11042	Strand	-
Start	2975	End	9609
Name	OJ990712_04.9B24.C8.o5.tm	Method	TBLASTX:Maize
Start	9126	End	9329
GI	none	Score	202
Exons	9126..9329		

Seq. No.	5300	Seq. ID	OJ990712_04.9B24.C9
Gene No.	11043	Strand	+
Start	965	End	5662
Name	OJ990712_04.9B24.C9.o1.np	Method	AAT/NAP
Start	965	End	5662
GI	4680179	Score	417
Exons	965..1705, 5630..5662		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5300	Seq. ID	OJ990712_04.9B24.C9
Gene No.	11043	Strand	+
Start	965	End	5662
Name	OJ990712_04.9B24.C9.o1.gp	Method	AAT/GAP
Start	2811	End	3545
GI	101153_1.R1084	Score	568
Exons	2811..3000, 3317..3545		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5300	Seq. ID	OJ990712_04.9B24.C9
Gene No.	11043	Strand	+
Start	965	End	5662
Name	OJ990712_04.9B24.C9.o2.gp	Method	AAT/GAP
Start	3563	End	3992
GI	2428185	Score	809
Exons	3563..3992		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	5300	Seq. ID	OJ990712_04.9B24.C9
Gene No.	11044	Strand	-
Start	2781	End	5662
Name	OJ990712_04.9B24.C9.o1.tw	Method	TBLASTX:Wheat
Start	1054	End	1336
GI	none	Score	241
Exons	1054..1302, 1056..1232, 1271..1336		

Seq. No.	5300	Seq. ID	OJ990712_04.9B24.C9
Gene No.	11044	Strand	-
Start	2781	End	5662
Name	OJ990712_04.9B24.C9.o1.tm	Method	TBLASTX:Maize
Start	1054	End	1353
GI	none	Score	202
Exons	1054..1302, 1056..1217, 1267..1353		

Seq. No.	5300	Seq. ID	OJ990712_04.9B24.C9
Gene No.	11044	Strand	-
Start	2781	End	5662
Name	OJ990712_04.9B24.C9.o2.np	Method	AAT/NAP
Start	2781	End	5662
GI	5852180	Score	323
Exons	2781..3150, 4161..4238, 5572..5662		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5300	Seq. ID	OJ990712_04.9B24.C9
Gene No.	11044	Strand	-
Start	2781	End	5662
Name	OJ990712_04.9B24.C9.o2.gs	Method	GENSCAN
Start	3288	End	5600
GI	none	Score	.71
Exons	3288..3375, 4239..4314, 5006..5158, 5231..5600		

Seq. No.	5300	Seq. ID	OJ990712_04.9B24.C9
Gene No.	11044	Strand	-
Start	2781	End	5662
Name	OJ990712_04.9B24.C9.o3.gp	Method	AAT/GAP
Start	4519	End	4812
GI	61605_3.R1084	Score	439
Exons	4519..4812		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	5300	Seq. ID	OJ990712_04.9B24.C9
Gene No.	11044	Strand	-
Start	2781	End	5662
Name	OJ990712_04.9B24.C9.o3.np	Method	AAT/NAP
Start	4934	End	5662
GI	5852176	Score	1013
Exons	4934..5158, 5231..5662		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11045	Strand	+
Start	7052	End	10391
Name	OJ990712_04.9B24.C10.o2.gs	Method	GENSCAN
Start	7052	End	10391
GI	none	Score	.85
Exons	7052..7066, 8802..8875, 8920..9474, 9501..9598, 9645..9851, 9913..9967, 10001..10391		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11046	Strand	+
Start	12694	End	14833
Name	OJ990712_04.9B24.C10.o1.gp	Method	AAT/GAP
Start	12516	End	12897
GI	uC-osflcyp033a04b1	Score	691
Exons	12516..12897		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10

Gene No.	11046	Strand	+
Start	12694	End	14833
Name	OJ990712_04.9B24.C10.o4.gs	Method	GENSCAN
Start	12694	End	14833
GI	none	Score	.95
Exons	12694..12769, 13542..13562, 13677..14544, 14593..14833		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11047	Strand	+
Start	15158	End	21636
Name	OJ990712_04.9B24.C10.o1.np	Method	AAT/NAP
Start	15158	End	21636
GI	5902445	Score	2988
Exons	15158..16441, 19800..20351, 20391..21636		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11048	Strand	-
Start	538	End	6571
Name	OJ990712_04.9B24.C10.o1.gs	Method	GENSCAN
Start	538	End	6571
GI	none	Score	.4
Exons	538..717, 1200..1305, 3221..3399, 6254..6315, 6469..6571		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11049	Strand	-
Start	11093	End	11647
Name	OJ990712_04.9B24.C10.o3.gs	Method	GENSCAN
Start	11093	End	11647
GI	none	Score	1
Exons	11093..11647		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o8.tw	Method	TBLASTX:Wheat
Start	10322	End	13825
GI	none	Score	51
Exons	10322..10363, 10364..10480, 13598..13825, 13600..13824		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o4.tw	Method	TBLASTX:Wheat
Start	14456	End	14911
GI	none	Score	141
Exons	14456..14638, 14467..14637, 14675..14911, 14677..14901		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o1.tw	Method	TBLASTX:Wheat
Start	15103	End	15559
GI	none	Score	523
Exons	15103..15558, 15104..15559		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10

Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o1.tm	Method	TBLASTX:Maize
Start	15233	End	15589
GI	none	Score	418
Exons	15233..15589, 15295..15588		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o2.tm	Method	TBLASTX:Maize
Start	15617	End	16000
GI	none	Score	322
Exons	15617..16000, 15784..15999		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o2.tw	Method	TBLASTX:Wheat
Start	15674	End	16098
GI	none	Score	468
Exons	15674..16096, 15677..16063, 15784..16098		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o1.ts	Method	TBLASTX:Soybean
Start	15728	End	16153
GI	none	Score	314
Exons	15728..16153, 15787..15912		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o7.tw	Method	TBLASTX:Wheat
Start	16162	End	16402
GI	none	Score	222
Exons	16162..16392, 16163..16402		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o6.tw	Method	TBLASTX:Wheat
Start	19860	End	20234
GI	none	Score	247
Exons	19860..20234, 19925..20092		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o4.tm	Method	TBLASTX:Maize
Start	20397	End	20663
GI	none	Score	187
Exons	20397..20663, 20516..20656		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-

Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o5.tw	Method	TBLASTX:Wheat
Start	20647	End	20997
GI	none	Score	309
Exons	20647..20886, 20659..20997, 20745..20987		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o3.tm	Method	TBLASTX:Maize
Start	20668	End	21042
GI	none	Score	179
Exons	20668..20931, 20775..20930, 20929..21042		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o3.tw	Method	TBLASTX:Wheat
Start	21019	End	21627
GI	none	Score	336
Exons	21019..21471, 21033..21119, 21168..21275, 21496..21627		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o6.gs	Method	GENSCAN
Start	22243	End	27838
GI	none	Score	.69
Exons	22243..22760, 22860..23005, 23124..23431, 23456..23789, 23969..24027, 24098..24283, 24351..24412, 24642..25018, 25206..25291, 25590..25783, 26148..26219, 27604..27838		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o2.np	Method	AAT/NAP
Start	23123	End	24751
GI	6721561	Score	933
Exons	23123..23899, 23969..24027, 24098..24316, 24716..24751		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838
Name	OJ990712_04.9B24.C10.o3.np	Method	AAT/NAP
Start	24568	End	25307
GI	6907089	Score	261
Exons	24568..25307		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5301	Seq. ID	OJ990712_04.9B24.C10
Gene No.	11050	Strand	-
Start	22243	End	27838

Name	OJ990712_04.9B24.C10.o4.np	Method	AAT/NAP
Start	26104	End	26219
GI	6721512	Score	67
Exons	26104..26219		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5302	Seq. ID	OJ990712_04.9B24.C11
Gene No.	11051	Strand	+
Start	6499	End	7887
Name	OJ990712_04.9B24.C11.o1.np	Method	AAT/NAP
Start	6499	End	7887
GI	3402755	Score	631
Exons	6499..7785, 7813..7887		
GI Descrip.	(AL031187) putative transposable element [Arabidopsis thaliana]		

Seq. No.	5302	Seq. ID	OJ990712_04.9B24.C11
Gene No.	11051	Strand	+
Start	6499	End	7887
Name	OJ990712_04.9B24.C11.o1.tw	Method	TBLASTX:Wheat
Start	6648	End	7058
GI	none	Score	116
Exons	6648..6794, 6649..6795, 6650..6796, 6769..6891, 6824..6880, 6880..6933, 6999..7058		

Seq. No.	5303	Seq. ID	OJ990712_04.9B24.C12
Gene No.	11052	Strand	+
Start	1	End	528
Name	OJ990712_04.9B24.C12.o1.np	Method	AAT/NAP
Start	1	End	528
GI	130582	Score	233
Exons	1..33, 138..528		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi|100342|pir||S04273 hypothetical protein - common tobacco gi|20045|emb|CAA32025| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	5303	Seq. ID	OJ990712_04.9B24.C12
Gene No.	11052	Strand	+
Start	1	End	528
Name	OJ990712_04.9B24.C12.o1.gs	Method	GENSCAN
Start	264	End	522
GI	none	Score	.43
Exons	264..522		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11053	Strand	+
Start	1	End	2197
Name	OJ990712_04.9B24.C13.o1.np	Method	AAT/NAP
Start	1	End	2197
GI	6623973	Score	1750
Exons	1..2197		
GI Descrip.	(AC007505) Highly similar to Tal-3 polyprotein [Arabidopsis thaliana]		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344

Name	OJ990712_04.9B24.C13.o3.ts	Method	TBLASTX:Soybean
Start	1	End	361
GI	none	Score	174
Exons	1..225, 2..226, 212..361		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o1.tw	Method	TBLASTX:Wheat
Start	562	End	990
GI	none	Score	556
Exons	562..990, 563..988		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o3.tm	Method	TBLASTX:Maize
Start	829	End	1210
GI	none	Score	311
Exons	829..1125, 830..1210		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o2.tc	Method	TBLASTX:Cress
Start	830	End	1036
GI	none	Score	186
Exons	830..1036, 835..1002		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o1.ts	Method	TBLASTX:Soybean
Start	854	End	1244
GI	none	Score	386
Exons	854..1201, 856..1146, 978..1244, 978..1202		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o2.tw	Method	TBLASTX:Wheat
Start	992	End	1612
GI	none	Score	179
Exons	992..1162, 1229..1447, 1268..1612		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o2.tm	Method	TBLASTX:Maize
Start	1265	End	1715
GI	none	Score	116
Exons	1265..1423, 1273..1353, 1385..1702, 1385..1480, 1399..1710, 1399..1692, 1464..1715		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344

Name	OJ990712_04.9B24.C13.o1.tc	Method	TBLASTX:Cress
Start	1586	End	2188
GI	none	Score	64
Exons	1586..1714, 1709..1813, 1823..1960, 1976..2188		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o3.tw	Method	TBLASTX:Wheat
Start	1708	End	2161
GI	none	Score	165
Exons	1708..1929, 1739..1942, 1793..1945, 1961..2161, 1972..2160		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o1.tm	Method	TBLASTX:Maize
Start	1766	End	2188
GI	none	Score	551
Exons	1766..2188, 1783..2184		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o2.ts	Method	TBLASTX:Soybean
Start	1787	End	2185
GI	none	Score	292
Exons	1787..2062, 1789..2049, 1796..2059, 2072..2185, 2080..2178		

Seq. No.	5304	Seq. ID	OJ990712_04.9B24.C13
Gene No.	11054	Strand	-
Start	2596	End	3344
Name	OJ990712_04.9B24.C13.o2.gs	Method	GENSCAN
Start	2596	End	3344
GI	none	Score	.73
Exons	2596..2934, 3037..3171, 3231..3344		

Seq. No.	5305	Seq. ID	OJ990712_04.9B24.C14
Gene No.	11055	Strand	-
Start	532	End	1375
Name	OJ990712_04.9B24.C14.o1.gs	Method	GENSCAN
Start	532	End	1375
GI	none	Score	.58
Exons	532..613, 1149..1375		

Seq. No.	5306	Seq. ID	OJ990712_04.9B24.C15
Gene No.	11056	Strand	-
Start	451	End	2770
Name	OJ990712_04.9B24.C15.o1.gs	Method	GENSCAN
Start	451	End	1915
GI	none	Score	.77
Exons	451..603, 1485..1685, 1898..1915		

Seq. No.	5306	Seq. ID	OJ990712_04.9B24.C15
Gene No.	11056	Strand	-
Start	451	End	2770
Name	OJ990712_04.9B24.C15.o1.np	Method	AAT/NAP

Start	1519	End	2770
GI	5852084	Score	75
Exons	1519..1598, 2740..2770		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11057	Strand	+
Start	292	End	4131
Name	OJ990712_04.9B24.C16.o1.gs	Method	GENSCAN
Start	292	End	4131
GI	none	Score	.68
Exons	292..338, 397..626, 1288..1396, 1570..1603, 3919..4131		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11058	Strand	+
Start	19104	End	19578
Name	OJ990712_04.9B24.C16.o4.gs	Method	GENSCAN
Start	19104	End	19578
GI	none	Score	.68
Exons	19104..19172, 19363..19448, 19494..19578		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11059	Strand	+
Start	20461	End	20846
Name	OJ990712_04.9B24.C16.o6.gs	Method	GENSCAN
Start	20461	End	20846
GI	none	Score	.49
Exons	20461..20700, 20745..20846		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11060	Strand	-
Start	6969	End	17299
Name	OJ990712_04.9B24.C16.o3.gs	Method	GENSCAN
Start	6969	End	17299
GI	none	Score	.68
Exons	6969..7175, 9048..9655, 9754..9857, 9998..10627, 11604..12222, 12349..12424, 14060..14131, 16561..16595, 16677..17165, 17239..17299		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11060	Strand	-
Start	6969	End	17299
Name	OJ990712_04.9B24.C16.o1.gp	Method	AAT/GAP
Start	12003	End	12764
GI	20519_1.R1084	Score	788
Exons	12003..12222, 12349..12424, 12613..12764		
GI Descrip.	'1922242/emb|CAA71173| 4.0e-16 (Y10084) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11061	Strand	-
Start	18934	End	27961
Name	OJ990712_04.9B24.C16.o1.np	Method	AAT/NAP
Start	18934	End	22653
GI	5091513	Score	1114
Exons	18934..19168, 19321..19414, 20088..20985, 21628..22653		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11061	Strand	-
Start	18934	End	27961
Name	OJ990712_04.9B24.C16.o7.gs	Method	GENSCAN
Start	21567	End	27961
GI	none	Score	.45
Exons	21567..21865, 21871..22065, 22161..22584, 23036..23195, 23241..23380, 24156..24270, 24369..24567, 24921..24980, 26393..26503, 27308..27426, 27433..27631, 27703..27961		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11062	Strand	-
Start	30035	End	31931
Name	OJ990712_04.9B24.C16.o2.tw	Method	TBLASTX:Wheat
Start	12101	End	12427
GI	none	Score	36
Exons	12101..12124, 12101..12133, 12131..12178, 12131..12178, 12179..12223, 12179..12223, 12345..12425, 12347..12427		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11062	Strand	-
Start	30035	End	31931
Name	OJ990712_04.9B24.C16.o1.ts	Method	TBLASTX:Soybean
Start	12131	End	12430
GI	none	Score	98
Exons	12131..12229, 12347..12430		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11062	Strand	-
Start	30035	End	31931
Name	OJ990712_04.9B24.C16.o2.tm	Method	TBLASTX:Maize
Start	12134	End	12427
GI	none	Score	141
Exons	12134..12223, 12134..12223, 12342..12425, 12344..12427		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11062	Strand	-
Start	30035	End	31931
Name	OJ990712_04.9B24.C16.o1.tm	Method	TBLASTX:Maize
Start	13025	End	13493
GI	none	Score	323
Exons	13025..13387, 13026..13493, 13411..13467		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11062	Strand	-
Start	30035	End	31931
Name	OJ990712_04.9B24.C16.o1.tw	Method	TBLASTX:Wheat
Start	13224	End	13590
GI	none	Score	135
Exons	13224..13406, 13424..13522, 13441..13521, 13540..13590		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11062	Strand	-
Start	30035	End	31931
Name	OJ990712_04.9B24.C16.o3.tm	Method	TBLASTX:Maize
Start	13668	End	13901

GI	none	Score	195
Exons	13668..13901, 13670..13816		

Seq. No.	5307	Seq. ID	OJ990712_04.9B24.C16
Gene No.	11062	Strand	-
Start	30035	End	31931
Name	OJ990712_04.9B24.C16.o8.gs	Method	GENSCAN
Start	30035	End	31931
GI	none	Score	.66
Exons	30035..30152, 31074..31107, 31904..31931		

Seq. No.	5308	Seq. ID	OJ990712_04.9B24.C17
Gene No.	11063	Strand	+
Start	127	End	229
Name	OJ990712_04.9B24.C17.o1.gs	Method	GENSCAN
Start	127	End	229
GI	none	Score	.85
Exons	127..229		

Seq. No.	5309	Seq. ID	OJ990412_05.9B03.C1
Gene No.	11064	Strand	-
Start	1	End	405
Name	OJ990412_05.9B03.C1.o1.np	Method	AAT/NAP
Start	1	End	405
GI	6705984	Score	154
Exons	1..41, 85..405		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	5309	Seq. ID	OJ990412_05.9B03.C1
Gene No.	11064	Strand	-
Start	1	End	405
Name	OJ990412_05.9B03.C1.o1.tw	Method	TBLASTX:Wheat
Start	119	End	300
GI	none	Score	69
Exons	119..238, 141..209, 142..246, 145..234, 244..294, 244..300		

Seq. No.	5310	Seq. ID	OJ990412_05.9B03.C2
Gene No.	11065	Strand	+
Start	270	End	349
Name	OJ990412_05.9B03.C2.o1.gs	Method	GENSCAN
Start	270	End	349
GI	none	Score	.79
Exons	270..349		

Seq. No.	5311	Seq. ID	OJ990412_05.9B03.C3
Gene No.	11066	Strand	+
Start	86	End	140
Name	OJ990412_05.9B03.C3.o1.gs	Method	GENSCAN
Start	86	End	140
GI	none	Score	.67
Exons	86..140		

Seq. No.	5312	Seq. ID	OJ990412_05.9B03.C4
Gene No.	11067	Strand	-
Start	265	End	437
Name	OJ990412_05.9B03.C4.o1.gp	Method	AAT/GAP
Start	265	End	437

GI	10431_1.R1084	Score	295
Exons	265..437		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	5313	Seq. ID	OJ990412_05.9B03.C5
Gene No.	11068	Strand	-
Start	162	End	367
Name	OJ990412_05.9B03.C5.o1.gs	Method	GENSCAN
Start	162	End	367
GI	none	Score	.64
Exons	162..367		

Seq. No.	5314	Seq. ID	OJ990412_05.9B03.C6
Gene No.	11069	Strand	+
Start	1	End	1396
Name	OJ990412_05.9B03.C6.o1.np	Method	AAT/NAP
Start	1	End	1396
GI	5852181	Score	133
Exons	1..196, 1308..1396		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	5315	Seq. ID	OJ990412_05.9B03.C7
Gene No.	11070	Strand	
Start	527	End	1148
Name	OJ990412_05.9B03.C7.o1.tw	Method	TBLASTX:Wheat
Start	527	End	1148
GI	none	Score	113
Exons	527..880, 921..1148		

Seq. No.	5315	Seq. ID	OJ990412_05.9B03.C7
Gene No.	11070	Strand	
Start	527	End	1148
Name	OJ990412_05.9B03.C7.o1.ts	Method	TBLASTX:Soybean
Start	701	End	1088
GI	none	Score	38
Exons	701..883, 762..884, 918..1088, 921..1073		

Seq. No.	5316	Seq. ID	OJ990412_05.9B03.C8
Gene No.	11071	Strand	-
Start	204	End	1363
Name	OJ990412_05.9B03.C8.o1.gs	Method	GENSCAN
Start	204	End	1363
GI	none	Score	.74
Exons	204..416, 467..583, 680..1363		

Seq. No.	5317	Seq. ID	OJ990412_05.9B03.C10
Gene No.	11072	Strand	+
Start	1	End	719
Name	OJ990412_05.9B03.C10.o1.np	Method	AAT/NAP
Start	1	End	719
GI	6498441	Score	111
Exons	1..137, 637..719		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5317	Seq. ID	OJ990412_05.9B03.C10
Gene No.	11073	Strand	-
Start	44	End	224
Name	OJ990412_05.9B03.C10.o1.gs	Method	GENSCAN
Start	44	End	224
GI	none	Score	.82
Exons	44..224		

Seq. No.	5318	Seq. ID	OJ990412_05.9B03.C11
Gene No.	11074	Strand	+
Start	1	End	896
Name	OJ990412_05.9B03.C11.o1.np	Method	AAT/NAP
Start	1	End	896
GI	4680203	Score	492
Exons	1..896		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5318	Seq. ID	OJ990412_05.9B03.C11
Gene No.	11074	Strand	+
Start	1	End	896
Name	OJ990412_05.9B03.C11.o1.tw	Method	TBLASTX:Wheat
Start	1	End	818
GI	none	Score	94
Exons	1..114, 12..116, 121..294, 319..390, 333..392, 389..454, 393..455, 522..575, 593..697, 594..698, 699..818		

Seq. No.	5318	Seq. ID	OJ990412_05.9B03.C11
Gene No.	11074	Strand	+
Start	1	End	896
Name	OJ990412_05.9B03.C11.o1.gs	Method	GENSCAN
Start	366	End	872
GI	none	Score	.65
Exons	366..872		

Seq. No.	5318	Seq. ID	OJ990412_05.9B03.C11
Gene No.	11074	Strand	+
Start	1	End	896
Name	OJ990412_05.9B03.C11.o1.ts	Method	TBLASTX:Soybean
Start	509	End	755
GI	none	Score	226
Exons	509..691, 510..755		

Seq. No.	5319	Seq. ID	OJ990412_05.9B03.C12
Gene No.	11075	Strand	+
Start	1	End	5964
Name	OJ990412_05.9B03.C12.o1.np	Method	AAT/NAP
Start	1	End	5964
GI	4680183	Score	182
Exons	1..23, 2936..2961, 5198..5267, 5875..5964		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	5319	Seq. ID	OJ990412_05.9B03.C12
Gene No.	11075	Strand	+
Start	1	End	5964
Name	OJ990412_05.9B03.C12.o1.gs	Method	GENSCAN
Start	529	End	792
GI	none	Score	1

Exons 529..792

Seq. No. 5319 Seq. ID OJ990412_05.9B03.C12
Gene No. 11075 Strand +
Start 1 End 5964
Name OJ990412_05.9B03.C12.o2.gs Method GENSCAN
Start 1489 End 5714
GI none Score .47
Exons 1489..2217, 2296..2567, 2946..3099, 3314..3717, 3796..3966, 4051..4339, 5178..5316, 5611..5714

Seq. No. 5319 Seq. ID OJ990412_05.9B03.C12
Gene No. 11076 Strand +
Start 6643 End 7008
Name OJ990412_05.9B03.C12.o3.gs Method GENSCAN
Start 6643 End 7008
GI none Score .95
Exons 6643..7008

Seq. No. 5320 Seq. ID OJ990412_05.9B03.C14
Gene No. 11077 Strand +
Start 4642 End 5175
Name OJ990412_05.9B03.C14.o2.gs Method GENSCAN
Start 4642 End 5175
GI none Score .97
Exons 4642..5175

Seq. No. 5320 Seq. ID OJ990412_05.9B03.C14
Gene No. 11078 Strand +
Start 6229 End 6673
Name OJ990412_05.9B03.C14.o1.gp Method AAT/GAP
Start 6229 End 6673
GI LIB3431-028-P1-N1-A10 Score 742
Exons 6229..6296, 6324..6673
GI Descrip. '4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'

Seq. No. 5320 Seq. ID OJ990412_05.9B03.C14
Gene No. 11079 Strand -
Start 275 End 3994
Name OJ990412_05.9B03.C14.o1.gs Method GENSCAN
Start 275 End 3966
GI none Score .55
Exons 275..454, 730..802, 886..996, 1091..1264, 1369..1642, 1709..2016, 2072..2195, 2321..2462, 2558..2888, 3246..3486, 3951..3966

Seq. No. 5320 Seq. ID OJ990412_05.9B03.C14
Gene No. 11079 Strand -
Start 275 End 3994
Name OJ990412_05.9B03.C14.o1.np Method AAT/NAP
Start 282 End 3994
GI 4680204 Score 933
Exons 282..513, 866..996, 1091..1264, 1369..2462, 2558..3994
GI Descrip. (AF114171) hypothetical protein [Sorghum bicolor]

Seq. No. 5320 Seq. ID OJ990412_05.9B03.C14

Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o5.tw	Method	TBLASTX:Wheat
Start	2948	End	3351
GI	none	Score	74
Exons	2948..3121, 2949..3023, 3108..3248, 3113..3349, 3200..3349, 3211..3351, 3241..3351		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o2.gp	Method	AAT/GAP
Start	5517	End	9606
GI	342_1.R1084	Score	6244
Exons	5517..5857, 6081..9606		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o2.np	Method	AAT/NAP
Start	6313	End	10204
GI	4680203	Score	3125
Exons	6313..7290, 7553..7783, 7937..9603, 10105..10204		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o1.tw	Method	TBLASTX:Wheat
Start	6367	End	7670
GI	none	Score	53
Exons	6367..6459, 6368..6433, 6448..6528, 6476..6529, 6541..6681, 6542..6682, 6629..6724, 6661..6720, 6727..6768, 6727..6771, 6732..6773, 6766..7455, 6781..7092, 7055..7456, 7455..7670, 7457..7669		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o1.tc	Method	TBLASTX:Cress
Start	6949	End	7396
GI	none	Score	85
Exons	6949..7092, 6949..7392, 7055..7396, 7253..7396		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o2.tm	Method	TBLASTX:Maize
Start	7327	End	7627
GI	none	Score	76
Exons	7327..7452, 7355..7465, 7469..7627, 7470..7616		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204

Name	OJ990412_05.9B03.C14.o3.tw	Method	TBLASTX:Wheat
Start	7671	End	8082
GI	none	Score	81
Exons	7671..7757, 7673..7762, 7673..7756, 7790..8032, 7791..8012, 8037..8081, 8038..8082		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o1.tm	Method	TBLASTX:Maize
Start	8189	End	8644
GI	none	Score	85
Exons	8189..8380, 8390..8644, 8390..8632		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o2.tw	Method	TBLASTX:Wheat
Start	8220	End	8678
GI	none	Score	145
Exons	8220..8426, 8220..8429, 8224..8427, 8225..8449, 8427..8519, 8429..8524, 8429..8527, 8531..8635, 8535..8636, 8633..8677, 8637..8678		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o2.tc	Method	TBLASTX:Cress
Start	8477	End	8825
GI	none	Score	78
Exons	8477..8818, 8496..8624, 8673..8825		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o1.ts	Method	TBLASTX:Soybean
Start	8558	End	8987
GI	none	Score	91
Exons	8558..8827, 8576..8722, 8577..8822, 8912..8986, 8922..8987		

Seq. No.	5320	Seq. ID	OJ990412_05.9B03.C14
Gene No.	11080	Strand	-
Start	5517	End	10204
Name	OJ990412_05.9B03.C14.o4.tw	Method	TBLASTX:Wheat
Start	8904	End	9304
GI	none	Score	199
Exons	8904..9161, 8908..9150, 8911..9168, 8916..9158, 8918..9169, 9152..9304, 9166..9285		

Seq. No.	5321	Seq. ID	OJ990412_05.9B03.C16
Gene No.	11081	Strand	-
Start	21	End	479
Name	OJ990412_05.9B03.C16.o1.gs	Method	GENSCAN
Start	21	End	479
GI	none	Score	.78
Exons	21..169, 449..479		

Seq. No.	5322	Seq. ID	OJ990412_05.9B03.C17
Gene No.	11082	Strand	-
Start	1	End	489
Name	OJ990412_05.9B03.C17.o1.np	Method	AAT/NAP
Start	1	End	489
GI	2443320	Score	700
Exons	1..489		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	5322	Seq. ID	OJ990412_05.9B03.C17
Gene No.	11082	Strand	-
Start	1	End	489
Name	OJ990412_05.9B03.C17.o2.tw	Method	TBLASTX:Wheat
Start	1	End	129
GI	none	Score	105
Exons	1..129, 3..128, 91..129		

Seq. No.	5322	Seq. ID	OJ990412_05.9B03.C17
Gene No.	11082	Strand	-
Start	1	End	489
Name	OJ990412_05.9B03.C17.o1.ts	Method	TBLASTX:Soybean
Start	12	End	301
GI	none	Score	118
Exons	12..65, 99..143, 143..301		

Seq. No.	5322	Seq. ID	OJ990412_05.9B03.C17
Gene No.	11082	Strand	-
Start	1	End	489
Name	OJ990412_05.9B03.C17.o1.tw	Method	TBLASTX:Wheat
Start	131	End	485
GI	none	Score	110
Exons	131..352, 158..364, 162..383, 294..485, 362..484		

Seq. No.	5323	Seq. ID	OJ990412_05.9B03.C18
Gene No.	11083	Strand	-
Start	1	End	1000
Name	OJ990412_05.9B03.C18.o1.np	Method	AAT/NAP
Start	1	End	1000
GI	2443320	Score	979
Exons	1..1000		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	5323	Seq. ID	OJ990412_05.9B03.C18
Gene No.	11083	Strand	-
Start	1	End	1000
Name	OJ990412_05.9B03.C18.o1.gs	Method	GENSCAN
Start	144	End	753
GI	none	Score	.83
Exons	144..753		

Seq. No.	5323	Seq. ID	OJ990412_05.9B03.C18
Gene No.	11083	Strand	-
Start	1	End	1000
Name	OJ990412_05.9B03.C18.o1.tw	Method	TBLASTX:Wheat
Start	458	End	792
GI	none	Score	75
Exons	458..670, 460..792		

Seq. No.	5324	Seq. ID	OJ990412_05.9B03.C20
Gene No.	11084	Strand	-
Start	604	End	716
Name	OJ990412_05.9B03.C20.o1.gs	Method	GENSCAN
Start	604	End	716
GI	none	Score	.43
Exons	604..716		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11085	Strand	-
Start	1	End	2645
Name	OJ990412_05.9B03.C22.o1.np	Method	AAT/NAP
Start	1	End	2645
GI	4680203	Score	1617
Exons	1..327, 604..847, 1007..2645		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11085	Strand	-
Start	1	End	2645
Name	OJ990412_05.9B03.C22.o1.gs	Method	GENSCAN
Start	151	End	2637
GI	none	Score	.89
Exons	151..2637		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o1.tw	Method	TBLASTX:Wheat
Start	94	End	720
GI	none	Score	59
Exons	94..171, 176..280, 178..720, 187..573, 341..676		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o2.tc	Method	TBLASTX:Cress
Start	94	End	430
GI	none	Score	63
Exons	94..171, 178..429, 341..430		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o2.tm	Method	TBLASTX:Maize
Start	364	End	679
GI	none	Score	147
Exons	364..678, 383..679		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o4.tw	Method	TBLASTX:Wheat
Start	847	End	1051
GI	none	Score	47
Exons	847..930, 878..919, 931..1050, 934..1050, 935..1051, 1004..1051		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o3.tm	Method	TBLASTX:Maize
Start	862	End	1194
GI	none	Score	79
Exons	862..1047, 871..1014, 1096..1194		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o3.ts	Method	TBLASTX:Soybean
Start	1162	End	1395
GI	none	Score	65
Exons	1162..1395, 1171..1359		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o1.tm	Method	TBLASTX:Maize
Start	1231	End	1680
GI	none	Score	61
Exons	1231..1425, 1234..1425, 1247..1450, 1432..1674, 1448..1621, 1549..1680		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o2.tw	Method	TBLASTX:Wheat
Start	1270	End	1731
GI	none	Score	105
Exons	1270..1425, 1469..1564, 1471..1566, 1573..1677, 1580..1687, 1667..1723, 1675..1731		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o1.tc	Method	TBLASTX:Cress
Start	1519	End	1866
GI	none	Score	106
Exons	1519..1866, 1520..1672, 1712..1855		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o2.ts	Method	TBLASTX:Soybean
Start	1600	End	1863
GI	none	Score	124
Exons	1600..1863, 1601..1855		

Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o3.tw	Method	TBLASTX:Wheat
Start	1747	End	2295
GI	none	Score	88

Exons	1747..1872, 1760..1849, 1870..2295, 1898..2206		
Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o1.ts	Method	TBLASTX:Soybean
Start	1888	End	2170
GI	none	Score	174
Exons	1888..2169, 1901..2170		
Seq. No.	5325	Seq. ID	OJ990412_05.9B03.C22
Gene No.	11086	Strand	-
Start	6779	End	7112
Name	OJ990412_05.9B03.C22.o2.gs	Method	GENSCAN
Start	6779	End	7112
GI	none	Score	.6
Exons	6779..7112		
Seq. No.	5326	Seq. ID	OJ990412_05.9B03.C24
Gene No.	11087	Strand	-
Start	916	End	1104
Name	OJ990412_05.9B03.C24.o1.gs	Method	GENSCAN
Start	916	End	1104
GI	none	Score	.62
Exons	916..1104		
Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o1.gs	Method	GENSCAN
Start	142	End	9907
GI	none	Score	.52
Exons	142..424, 4424..4457, 5280..5387, 5940..6098, 6106..6236, 6284..6400, 6948..7011, 7956..8142, 8517..8695, 8843..9023, 9247..9541, 9751..9907		
Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o4.tw	Method	TBLASTX:Wheat
Start	7633	End	7968
GI	none	Score	77
Exons	7633..7719, 7634..7720, 7646..7720, 7746..7808, 7747..7824, 7750..7821, 7754..7822, 7824..7895, 7825..7887, 7889..7945, 7896..7967, 7897..7968		
Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o1.np	Method	AAT/NAP
Start	8108	End	9975
GI	6630696	Score	2594
Exons	8108..9975		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o1.tw	Method	TBLASTX:Wheat
Start	8271	End	8716
GI	none	Score	65
Exons	8271..8342, 8273..8344, 8273..8353, 8277..8354, 8362..8451, 8364..8450, 8364..8471, 8366..8452, 8449..8616, 8450..8626, 8450..8626, 8451..8627, 8451..8633, 8628..8711, 8641..8715, 8642..8716, 8643..8711, 8647..8715		

Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o1.tm	Method	TBLASTX:Maize
Start	8573	End	8920
GI	none	Score	242
Exons	8573..8920, 8574..8906, 8582..8914		

Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o2.ts	Method	TBLASTX:Soybean
Start	8720	End	9071
GI	none	Score	65
Exons	8720..8902, 8723..8911, 8724..8909, 8912..9070, 8943..9071		

Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o3.tw	Method	TBLASTX:Wheat
Start	8924	End	9470
GI	none	Score	54
Exons	8924..9181, 8952..9056, 9141..9470		

Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o2.tm	Method	TBLASTX:Maize
Start	9135	End	9470
GI	none	Score	48
Exons	9135..9470, 9139..9219, 9255..9317, 9392..9457		

Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o1.ts	Method	TBLASTX:Soybean
Start	9138	End	9611
GI	5509260	Score	87
Exons	9138..9611, 9379..9510		
GI Descrip.	-		

Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o1.tc	Method	TBLASTX:Cress
Start	9252	End	9512

GI	none	Score	96
Exons	9252..9512, 9340..9510		
Seq. No.	5327	Seq. ID	OJ990412_05.9B03.C25
Gene No.	11088	Strand	-
Start	142	End	9975
Name	OJ990412_05.9B03.C25.o2.tw	Method	TBLASTX:Wheat
Start	9525	End	9970
GI	none	Score	65
Exons	9525..9608, 9529..9600, 9604..9966, 9611..9970, 9628..9702, 9641..9970		
Seq. No.	5328	Seq. ID	OJ990412_05.9B03.C26
Gene No.	11089	Strand	-
Start	187	End	633
Name	OJ990412_05.9B03.C26.o1.gs	Method	GENSCAN
Start	187	End	633
GI	none	Score	.85
Exons	187..302, 335..633		
Seq. No.	5329	Seq. ID	OJ990412_05.9B03.C27
Gene No.	11090	Strand	
Start	3381	End	5335
Name	OJ990412_05.9B03.C27.o1.ts	Method	TBLASTX:Soybean
Start	3381	End	5285
GI	none	Score	209
Exons	3381..3734, 3459..3506, 3504..3617, 3528..3737, 4359..4538, 4389..4523, 4572..4655, 4827..5231, 4829..5233, 4977..5285		
Seq. No.	5329	Seq. ID	OJ990412_05.9B03.C27
Gene No.	11090	Strand	
Start	3381	End	5335
Name	OJ990412_05.9B03.C27.o1.tm	Method	TBLASTX:Maize
Start	5126	End	5335
GI	none	Score	285
Exons	5126..5332, 5127..5330, 5127..5333, 5131..5331, 5132..5335		
Seq. No.	5330	Seq. ID	OJ990412_05.9B03.C28
Gene No.	11091	Strand	-
Start	3049	End	5463
Name	OJ990412_05.9B03.C28.o1.tm	Method	TBLASTX:Maize
Start	3049	End	3354
GI	none	Score	178
Exons	3049..3189, 3053..3190, 3276..3353, 3280..3354, 3281..3349		
Seq. No.	5330	Seq. ID	OJ990412_05.9B03.C28
Gene No.	11091	Strand	-
Start	3049	End	5463
Name	OJ990412_05.9B03.C28.o2.gs	Method	GENSCAN
Start	3049	End	5463
GI	none	Score	.81
Exons	3049..3186, 3279..3347, 3529..3594, 3822..3911, 4004..4100, 5141..5463		
Seq. No.	5330	Seq. ID	OJ990412_05.9B03.C28
Gene No.	11091	Strand	-
Start	3049	End	5463

Name	OJ990412_05.9B03.C28.o2.tm	Method	TBLASTX:Maize
Start	4034	End	5242
GI	none	Score	89
Exons	4034..4108, 4035..4091, 5140..5241, 5141..5242		

Seq. No.	5331	Seq. ID	OJ990412_05.9B03.C29
Gene No.	11092	Strand	+
Start	2034	End	2145
Name	OJ990412_05.9B03.C29.o1.gs	Method	GENSCAN
Start	2034	End	2145
GI	none	Score	.67
Exons	2034..2145		

Seq. No.	5331	Seq. ID	OJ990412_05.9B03.C29
Gene No.	11093	Strand	-
Start	3053	End	3497
Name	OJ990412_05.9B03.C29.o2.gs	Method	GENSCAN
Start	3053	End	3497
GI	none	Score	.82
Exons	3053..3294, 3336..3497		

Seq. No.	5332	Seq. ID	OJ990412_05.9B03.C30
Gene No.	11094	Strand	+
Start	283	End	843
Name	OJ990412_05.9B03.C30.o1.gs	Method	GENSCAN
Start	283	End	843
GI	none	Score	.4
Exons	283..332, 745..843		

Seq. No.	5333	Seq. ID	OJ990412_05.9B03.C31
Gene No.	11095	Strand	+
Start	1365	End	12273
Name	OJ990412_05.9B03.C31.o1.gs	Method	GENSCAN
Start	1365	End	10695
GI	none	Score	.43
Exons	1365..1634, 2264..2344, 3252..3818, 3896..4272, 4545..5814, 7007..7308, 7415..7610, 10384..10425, 10672..10695		

Seq. No.	5333	Seq. ID	OJ990412_05.9B03.C31
Gene No.	11095	Strand	+
Start	1365	End	12273
Name	OJ990412_05.9B03.C31.o1.np	Method	AAT/NAP
Start	1578	End	12273
GI	5042463	Score	189
Exons	1578..1683, 2861..2972, 11125..11320, 11986..12145, 12197..12273		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	5333	Seq. ID	OJ990412_05.9B03.C31
Gene No.	11096	Strand	-
Start	11164	End	11308
Name	OJ990412_05.9B03.C31.o2.gs	Method	GENSCAN
Start	11164	End	11308
GI	none	Score	.78
Exons	11164..11308		

Seq. No.	5334	Seq. ID	OJ990412_05.9B03.C32
Gene No.	11097	Strand	+

Start	1754	End	5363
Name	OJ990412_05.9B03.C32.o1.gs	Method	GENSCAN
Start	1754	End	5152
GI	none	Score	.6
Exons	1754..1790, 3117..3183, 4059..4204, 4738..4848, 5110..5152		

Seq. No.	5334	Seq. ID	OJ990412_05.9B03.C32
Gene No.	11097	Strand	+
Start	1754	End	5363
Name	OJ990412_05.9B03.C32.o1.np	Method	AAT/NAP
Start	2558	End	2636
GI	6630699	Score	88
Exons	2558..2636		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5334	Seq. ID	OJ990412_05.9B03.C32
Gene No.	11097	Strand	+
Start	1754	End	5363
Name	OJ990412_05.9B03.C32.o2.np	Method	AAT/NAP
Start	2763	End	5363
GI	6539570	Score	221
Exons	2763..2957, 3117..3183, 5341..5363		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	5334	Seq. ID	OJ990412_05.9B03.C32
Gene No.	11098	Strand	-
Start	2553	End	2970
Name	OJ990412_05.9B03.C32.o1.gp	Method	AAT/GAP
Start	2553	End	2970
GI	LIB3479-006-Q6-K1-B11	Score	626
Exons	2553..2970		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	5334	Seq. ID	OJ990412_05.9B03.C32
Gene No.	11099	Strand	-
Start	3436	End	3546
Name	OJ990412_05.9B03.C32.o2.gp	Method	AAT/GAP
Start	3436	End	3546
GI	LIB3477-003-P1-K1-E9	Score	117
Exons	3436..3546		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5335	Seq. ID	OJ990412_05.9B03.C33
Gene No.	11100	Strand	+
Start	1	End	77
Name	OJ990412_05.9B03.C33.o1.gp	Method	AAT/GAP
Start	1	End	77
GI	10431_1.R1084	Score	125
Exons	1..77		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	5336	Seq. ID	OJ990412_05.9B03.C34
Gene No.	11101	Strand	+
Start	167	End	425
Name	OJ990412_05.9B03.C34.o1.gs	Method	GENSCAN
Start	167	End	425
GI	none	Score	.81
Exons	167..304, 351..425		

Seq. No.	5337	Seq. ID	OJ990412_05.9B03.C35
Gene No.	11102	Strand	+
Start	2075	End	3016
Name	OJ990412_05.9B03.C35.o1.gs	Method	GENSCAN
Start	2075	End	3016
GI	none	Score	.45
Exons	2075..2135, 2898..3016		

Seq. No.	5337	Seq. ID	OJ990412_05.9B03.C35
Gene No.	11103	Strand	+
Start	3973	End	4248
Name	OJ990412_05.9B03.C35.o2.gs	Method	GENSCAN
Start	3973	End	4248
GI	none	Score	.48
Exons	3973..4248		

Seq. No.	5337	Seq. ID	OJ990412_05.9B03.C35
Gene No.	11104	Strand	-
Start	3144	End	3392
Name	OJ990412_05.9B03.C35.o1.gp	Method	AAT/GAP
Start	3144	End	3392
GI	28898_2.R1084	Score	314
Exons	3144..3243, 3265..3392		
GI Descrip.	'5042437/gb|AC007789.1|AC007789 1.0e-69 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	5337	Seq. ID	OJ990412_05.9B03.C35
Gene No.	11105	Strand	-
Start	5955	End	9332
Name	OJ990412_05.9B03.C35.o1.tw	Method	TBLASTX:Wheat
Start	815	End	1222
GI	none	Score	265
Exons	815..1222, 829..1200		

Seq. No.	5337	Seq. ID	OJ990412_05.9B03.C35
Gene No.	11105	Strand	-
Start	5955	End	9332
Name	OJ990412_05.9B03.C35.o3.gs	Method	GENSCAN
Start	5955	End	9332
GI	none	Score	.67
Exons	5955..6185, 8405..8514, 9220..9332		

Seq. No.	5338	Seq. ID	OJ990412_05.9B03.C40
Gene No.	11106	Strand	+
Start	1	End	1048
Name	OJ990412_05.9B03.C40.o1.np	Method	AAT/NAP
Start	1	End	1048
GI	6705984	Score	236
Exons	1..574, 913..1048		

GI Descrip. (AB033235) gag-pol polyprotein [Oryza sativa]

Seq. No.	5338	Seq. ID	OJ990412_05.9B03.C40
Gene No.	11106	Strand	+
Start	1	End	1048
Name	OJ990412_05.9B03.C40.o1.tw	Method	TBLASTX:Wheat
Start	257	End	591
GI	none	Score	148
Exons	257..460, 466..579, 472..591		

Seq. No.	5339	Seq. ID	OJ990412_05.9B03.C41
Gene No.	11107	Strand	+
Start	1	End	924
Name	OJ990412_05.9B03.C41.o2.np	Method	AAT/NAP
Start	1	End	924
GI	4544372	Score	270
Exons	1..21, 238..924		

GI Descrip. (AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]

Seq. No.	5339	Seq. ID	OJ990412_05.9B03.C41
Gene No.	11108	Strand	-
Start	1	End	1518
Name	OJ990412_05.9B03.C41.o1.np	Method	AAT/NAP
Start	1	End	1518
GI	5852181	Score	129
Exons	1..211, 1497..1518		

GI Descrip. (AL117265) zhb0011.1 [Oryza sativa]

Seq. No.	5339	Seq. ID	OJ990412_05.9B03.C41
Gene No.	11108	Strand	-
Start	1	End	1518
Name	OJ990412_05.9B03.C41.o1.ts	Method	TBLASTX:Soybean
Start	685	End	861
GI	none	Score	179
Exons	685..861, 729..812		

Seq. No.	5340	Seq. ID	OJ990412_05.9B03.C42
Gene No.	11109	Strand	-
Start	737	End	1462
Name	OJ990412_05.9B03.C42.o1.np	Method	AAT/NAP
Start	737	End	1462
GI	2443320	Score	1057
Exons	737..1462		

GI Descrip. (D85597) polyprotein [Oryza australiensis]

Seq. No.	5340	Seq. ID	OJ990412_05.9B03.C42
Gene No.	11109	Strand	-
Start	737	End	1462
Name	OJ990412_05.9B03.C42.o1.tw	Method	TBLASTX:Wheat
Start	776	End	1251
GI	none	Score	168
Exons	776..1033, 777..1034, 777..1037, 1032..1088, 1037..1099, 1078..1245, 1078..1251, 1131..1250		

Seq. No.	5340	Seq. ID	OJ990412_05.9B03.C42
Gene No.	11109	Strand	-

Start	737	End	1462
Name	OJ990412_05.9B03.C42.o1.tm	Method	TBLASTX:Maize
Start	788	End	1362
GI	none	Score	127
Exons	788..982, 1043..1102, 1087..1362		

Seq. No.	5340	Seq. ID	OJ990412_05.9B03.C42
Gene No.	11109	Strand	-
Start	737	End	1462
Name	OJ990412_05.9B03.C42.o1.gs	Method	GENSCAN
Start	869	End	1410
GI	none	Score	.58
Exons	869..1002, 1098..1410		

Seq. No.	5340	Seq. ID	OJ990412_05.9B03.C42
Gene No.	11109	Strand	-
Start	737	End	1462
Name	OJ990412_05.9B03.C42.o1.ts	Method	TBLASTX:Soybean
Start	872	End	1353
GI	none	Score	162
Exons	872..976, 1078..1353		

Seq. No.	5340	Seq. ID	OJ990412_05.9B03.C42
Gene No.	11109	Strand	-
Start	737	End	1462
Name	OJ990412_05.9B03.C42.o2.tw	Method	TBLASTX:Wheat
Start	1252	End	1450
GI	none	Score	51
Exons	1252..1449, 1255..1326, 1259..1450		

Seq. No.	5341	Seq. ID	OJ990412_05.9B03.C45
Gene No.	11110	Strand	-
Start	1	End	1037
Name	OJ990412_05.9B03.C45.o1.np	Method	AAT/NAP
Start	1	End	1037
GI	2443320	Score	1484
Exons	1..1037		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	5341	Seq. ID	OJ990412_05.9B03.C45
Gene No.	11110	Strand	-
Start	1	End	1037
Name	OJ990412_05.9B03.C45.o2.tw	Method	TBLASTX:Wheat
Start	35	End	300
GI	none	Score	38
Exons	35..82, 36..83, 81..137, 86..148, 127..294, 127..300, 180..299		

Seq. No.	5341	Seq. ID	OJ990412_05.9B03.C45
Gene No.	11110	Strand	-
Start	1	End	1037
Name	OJ990412_05.9B03.C45.o1.gs	Method	GENSCAN
Start	73	End	923
GI	none	Score	.64
Exons	73..923		

Seq. No.	5341	Seq. ID	OJ990412_05.9B03.C45
Gene No.	11110	Strand	-

Start	1	End	1037
Name	OJ990412_05.9B03.C45.o2.tm	Method	TBLASTX:Maize
Start	259	End	585
GI	none	Score	73
Exons	259..492, 280..585		

Seq. No.	5341	Seq. ID	OJ990412_05.9B03.C45
Gene No.	11110	Strand	-
Start	1	End	1037
Name	OJ990412_05.9B03.C45.o1.tw	Method	TBLASTX:Wheat
Start	373	End	1035
GI	none	Score	335
Exons	373..837, 374..853, 823..1029, 823..1035, 827..1030		

Seq. No.	5341	Seq. ID	OJ990412_05.9B03.C45
Gene No.	11110	Strand	-
Start	1	End	1037
Name	OJ990412_05.9B03.C45.o1.tm	Method	TBLASTX:Maize
Start	622	End	1033
GI	none	Score	111
Exons	622..1029, 731..1033		

Seq. No.	5341	Seq. ID	OJ990412_05.9B03.C45
Gene No.	11110	Strand	-
Start	1	End	1037
Name	OJ990412_05.9B03.C45.o1.ts	Method	TBLASTX:Soybean
Start	742	End	1032
GI	none	Score	51
Exons	742..1032, 844..912, 935..1015		

Seq. No.	5342	Seq. ID	OJ990412_05.9B03.C46
Gene No.	11111	Strand	+
Start	109	End	288
Name	OJ990412_05.9B03.C46.o1.gs	Method	GENSCAN
Start	109	End	288
GI	none	Score	.99
Exons	109..288		

Seq. No.	5343	Seq. ID	OJ990412_05.9B03.C47
Gene No.	11112	Strand	-
Start	77	End	1274
Name	OJ990412_05.9B03.C47.o1.gs	Method	GENSCAN
Start	77	End	1274
GI	none	Score	.52
Exons	77..223, 258..365, 1137..1274		

Seq. No.	5344	Seq. ID	OJ990412_05.9B03.C50
Gene No.	11113	Strand	+
Start	345	End	512
Name	OJ990412_05.9B03.C50.o1.gp	Method	AAT/GAP
Start	345	End	512
GI	10431_1.R1084	Score	287
Exons	345..512		
GI Descrip.	'1256198/dbj|D63711|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	5345	Seq. ID	OJ990412_05.9B03.C53

Gene No.	11114	Strand	+
Start	55	End	717
Name	OJ990412_05.9B03.C53.o1.gs	Method	GENSCAN
Start	55	End	717
GI	none	Score	.83
Exons	55..296, 401..574, 669..717		

Seq. No.	5346	Seq. ID	OJ990412_05.9B03.C54
Gene No.	11115	Strand	-
Start	1	End	240
Name	OJ990412_05.9B03.C54.o1.np	Method	AAT/NAP
Start	1	End	240
GI	6630696	Score	351
Exons	1..240		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	5346	Seq. ID	OJ990412_05.9B03.C54
Gene No.	11115	Strand	-
Start	1	End	240
Name	OJ990412_05.9B03.C54.o1.tw	Method	TBLASTX:Wheat
Start	4	End	240
GI	none	Score	136
Exons	4..213, 4..240, 8..235		

Seq. No.	5347	Seq. ID	OJ990412_05.9B03.C57
Gene No.	11116	Strand	-
Start	627	End	925
Name	OJ990412_05.9B03.C57.o1.gs	Method	GENSCAN
Start	627	End	925
GI	none	Score	.43
Exons	627..730, 850..925		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11117	Strand	+
Start	1	End	1104
Name	OJ990412_05.9B03.C58.o1.np	Method	AAT/NAP
Start	1	End	871
GI	2129735	Score	332
Exons	1..156, 188..871		
GI Descrip.	serine/threonine-specific kinase (EC 2.7.1.-) precursor - Arabidopsis thaliana gi|1405837|emb|CAA62824| (X91630) receptor-like kinase [Arabidopsis thaliana] gi|2150023 (AF001168) receptor-like kinase LECRK1 [Arabidopsis thaliana]		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11117	Strand	+
Start	1	End	1104
Name	OJ990412_05.9B03.C58.o1.gs	Method	GENSCAN
Start	190	End	702
GI	none	Score	.9
Exons	190..702		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11117	Strand	+
Start	1	End	1104

Name	OJ990412_05.9B03.C58.o1.gp	Method	AAT/GAP
Start	644	End	1104
GI	2317574	Score	874
Exons	644..1104		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11118	Strand	-
Start	2144	End	2895
Name	OJ990412_05.9B03.C58.o2.tm	Method	TBLASTX:Maize
Start	90	End	732
GI	none	Score	35
Exons	90..167, 202..363, 222..338, 367..498, 520..732		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11118	Strand	-
Start	2144	End	2895
Name	OJ990412_05.9B03.C58.o1.tc	Method	TBLASTX:Cress
Start	190	End	716
GI	none	Score	168
Exons	190..369, 210..368, 345..716, 361..699		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11118	Strand	-
Start	2144	End	2895
Name	OJ990412_05.9B03.C58.o1.ts	Method	TBLASTX:Soybean
Start	202	End	729
GI	none	Score	278
Exons	202..729, 369..479		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11118	Strand	-
Start	2144	End	2895
Name	OJ990412_05.9B03.C58.o2.tw	Method	TBLASTX:Wheat
Start	228	End	554
GI	none	Score	216
Exons	228..554, 229..546		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11118	Strand	-
Start	2144	End	2895
Name	OJ990412_05.9B03.C58.o1.tw	Method	TBLASTX:Wheat
Start	1442	End	2576
GI	none	Score	54
Exons	1442..1477, 2195..2575, 2232..2474, 2526..2576		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11118	Strand	-
Start	2144	End	2895
Name	OJ990412_05.9B03.C58.o2.gs	Method	GENSCAN
Start	2144	End	2787
GI	none	Score	.93
Exons	2144..2375, 2514..2787		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11118	Strand	-
Start	2144	End	2895
Name	OJ990412_05.9B03.C58.o2.np	Method	AAT/NAP

Start	2165	End	2895
GI	4680180	Score	657
Exons	2165..2895		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5348	Seq. ID	OJ990412_05.9B03.C58
Gene No.	11118	Strand	-
Start	2144	End	2895
Name	OJ990412_05.9B03.C58.o1.tm	Method	TBLASTX:Maize
Start	2405	End	2707
GI	none	Score	58
Exons	2405..2707, 2406..2498, 2532..2621		

Seq. No.	5349	Seq. ID	OJ990412_05.9B03.C59
Gene No.	11119	Strand	-
Start	1	End	1323
Name	OJ990412_05.9B03.C59.o1.np	Method	AAT/NAP
Start	1	End	1323
GI	5902445	Score	764
Exons	1..808, 1299..1323		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5349	Seq. ID	OJ990412_05.9B03.C59
Gene No.	11119	Strand	-
Start	1	End	1323
Name	OJ990412_05.9B03.C59.o1.gs	Method	GENSCAN
Start	18	End	1189
GI	none	Score	.44
Exons	18..502, 555..662, 1187..1189		

Seq. No.	5349	Seq. ID	OJ990412_05.9B03.C59
Gene No.	11119	Strand	-
Start	1	End	1323
Name	OJ990412_05.9B03.C59.o2.tw	Method	TBLASTX:Wheat
Start	92	End	341
GI	none	Score	121
Exons	92..340, 111..341		

Seq. No.	5349	Seq. ID	OJ990412_05.9B03.C59
Gene No.	11119	Strand	-
Start	1	End	1323
Name	OJ990412_05.9B03.C59.o1.tm	Method	TBLASTX:Maize
Start	255	End	682
GI	none	Score	37
Exons	255..284, 257..283, 321..407, 335..409, 428..682, 450..644		

Seq. No.	5349	Seq. ID	OJ990412_05.9B03.C59
Gene No.	11119	Strand	-
Start	1	End	1323
Name	OJ990412_05.9B03.C59.o1.ts	Method	TBLASTX:Soybean
Start	350	End	776
GI	none	Score	79
Exons	350..751, 576..749, 627..776		

Seq. No.	5349	Seq. ID	OJ990412_05.9B03.C59
Gene No.	11119	Strand	-
Start	1	End	1323

Name	OJ990412_05.9B03.C59.o1.tw	Method	TBLASTX:Wheat
Start	405	End	796
GI	none	Score	244
Exons	405..767, 407..796, 548..769		

Seq. No.	5350	Seq. ID	OJ990412_05.9B03.C60
Gene No.	11120	Strand	-
Start	283	End	558
Name	OJ990412_05.9B03.C60.o1.gs	Method	GENSCAN
Start	283	End	558
GI	none	Score	.78
Exons	283..558		

Seq. No.	5351	Seq. ID	OJ990412_05.9B03.C61
Gene No.	11121	Strand	+
Start	66	End	310
Name	OJ990412_05.9B03.C61.o1.gs	Method	GENSCAN
Start	66	End	310
GI	none	Score	.48
Exons	66..310		

Seq. No.	5352	Seq. ID	OJ990412_05.9B03.C62
Gene No.	11122	Strand	+
Start	325	End	504
Name	OJ990412_05.9B03.C62.o1.gs	Method	GENSCAN
Start	325	End	504
GI	none	Score	.69
Exons	325..504		

Seq. No.	5353	Seq. ID	OJ990412_05.9B03.C65
Gene No.	11123	Strand	+
Start	263	End	716
Name	OJ990412_05.9B03.C65.o1.gs	Method	GENSCAN
Start	263	End	716
GI	none	Score	.8
Exons	263..468, 547..716		

Seq. No.	5354	Seq. ID	OJ990412_05.9B03.C68
Gene No.	11124	Strand	+
Start	1	End	275
Name	OJ990412_05.9B03.C68.o1.np	Method	AAT/NAP
Start	1	End	275
GI	465445	Score	124
Exons	1..275		
GI Descrip.	PROBABLE NUCLEAR ANTIGEN gi|418708|pir||B45344 probable nuclear antigen - suid herpesvirus 1 (strain Kaplan) gi|334072 (M34651) ORF-3 protein [Pseudorabies virus]		

Seq. No.	5355	Seq. ID	OJ990412_05.9B03.C70
Gene No.	11125	Strand	-
Start	1	End	460
Name	OJ990412_05.9B03.C70.o1.np	Method	AAT/NAP
Start	1	End	460
GI	6630696	Score	511
Exons	1..460		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol		

polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]

Seq. No.	5355	Seq. ID	OJ990412_05.9B03.C70
Gene No.	11125	Strand	-
Start	1	End	460
Name	OJ990412_05.9B03.C70.o1.ts	Method	TBLASTX:Soybean
Start	67	End	348
GI	none	Score	45
Exons	67..186, 75..188, 189..347, 220..348		

Seq. No.	5356	Seq. ID	OJ990412_05.9B03.C71
Gene No.	11126	Strand	-
Start	226	End	353
Name	OJ990412_05.9B03.C71.o1.gs	Method	GENSCAN
Start	226	End	353
GI	none	Score	.56
Exons	226..353		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11127	Strand	+
Start	656	End	1785
Name	OJ990712_08.9B12.C1.o1.gs	Method	GENSCAN
Start	656	End	1785
GI	none	Score	.47
Exons	656..793, 1664..1785		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11128	Strand	+
Start	8731	End	10004
Name	OJ990712_08.9B12.C1.o3.gs	Method	GENSCAN
Start	8731	End	10004
GI	none	Score	.75
Exons	8731..8833, 9898..10004		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11129	Strand	+
Start	11377	End	15144
Name	OJ990712_08.9B12.C1.o4.gs	Method	GENSCAN
Start	11377	End	15144
GI	none	Score	.53
Exons	11377..11386, 11552..11759, 11898..11922, 13569..13602, 13919..14000, 14610..14872, 15008..15144		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11130	Strand	+
Start	23388	End	24664
Name	OJ990712_08.9B12.C1.o6.gs	Method	GENSCAN
Start	23388	End	24664
GI	none	Score	.5
Exons	23388..23458, 24352..24511, 24575..24664		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11131	Strand	+
Start	34259	End	38073
Name	OJ990712_08.9B12.C1.o8.gs	Method	GENSCAN
Start	34259	End	38073
GI	none	Score	.51

Exons	34259..34395, 34795..34985, 35285..35434, 37495..37715, 37879..38073		
Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11132	Strand	+
Start	47136	End	54953
Name	OJ990712_08.9B12.C1.o12.gs	Method	GENSCAN
Start	47136	End	54953
GI	none	Score	.47
Exons	47136..47217, 48372..48444, 48553..48614, 49318..49609, 49663..50791, 50876..51436, 51599..51903, 51956..52206, 52659..53154, 53270..54953		
Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11132	Strand	+
Start	47136	End	54953
Name	OJ990712_08.9B12.C1.o5.np	Method	AAT/NAP
Start	52204	End	54861
GI	4206306	Score	706
Exons	52204..52412, 52748..53128, 53250..54861		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11133	Strand	+
Start	56421	End	57836
Name	OJ990712_08.9B12.C1.o13.gs	Method	GENSCAN
Start	56421	End	57836
GI	none	Score	.75
Exons	56421..56744, 57663..57836		
Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11133	Strand	+
Start	56421	End	57836
Name	OJ990712_08.9B12.C1.o6.np	Method	AAT/NAP
Start	56421	End	57833
GI	3831458	Score	358
Exons	56421..56744, 57663..57833		
GI Descrip.	(AC005700) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11134	Strand	+
Start	58492	End	58818
Name	OJ990712_08.9B12.C1.o14.gs	Method	GENSCAN
Start	58492	End	58818
GI	none	Score	.99
Exons	58492..58818		
Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11135	Strand	-
Start	1545	End	8048
Name	OJ990712_08.9B12.C1.o2.np	Method	AAT/NAP
Start	1545	End	8048
GI	4680207	Score	1551
Exons	1545..1620, 2499..4435, 4786..5167, 5198..5649, 7981..8048		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11135	Strand	-
Start	1545	End	8048
Name	OJ990712_08.9B12.C1.o2.gs	Method	GENSCAN
Start	2560	End	5405
GI	none	Score	.67
Exons	2560..4519, 4786..5405		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11136	Strand	-
Start	12578	End	12949
Name	OJ990712_08.9B12.C1.o1.gp	Method	AAT/GAP
Start	12578	End	12949
GI	3106852	Score	684
Exons	12578..12949		
GI Descrip.	4521194/dbj|AB013613.1|AB013613 1.0e-25 Oryza sativa DNA, centromere sequence RCB11		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11137	Strand	-
Start	15516	End	17142
Name	OJ990712_08.9B12.C1.o3.np	Method	AAT/NAP
Start	15516	End	17142
GI	6539588	Score	238
Exons	15516..15533, 16835..17142		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11138	Strand	-
Start	25513	End	30536
Name	OJ990712_08.9B12.C1.o7.gs	Method	GENSCAN
Start	25513	End	30536
GI	none	Score	.62
Exons	25513..25634, 26340..26477, 26791..26885, 27543..27628, 28658..28766, 30047..30125, 30506..30536		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11139	Strand	-
Start	39049	End	39276
Name	OJ990712_08.9B12.C1.o9.gs	Method	GENSCAN
Start	39049	End	39276
GI	none	Score	.92
Exons	39049..39276		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o1.ts	Method	TBLASTX:Soybean
Start	3253	End	4479
GI	none	Score	69
Exons	3253..3372, 3382..3567, 3383..3538, 3799..3957, 3943..4299, 3977..4102, 4214..4258, 4297..4479		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o4.tw	Method	TBLASTX:Wheat

Start	3328	End	3552
GI	none	Score	153
Exons	3328..3552, 3337..3537		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o2.tw	Method	TBLASTX:Wheat
Start	3556	End	4011
GI	none	Score	63
Exons	3556..3642, 3628..3753, 3677..3754, 3717..3761, 3763..4011, 3785..3895, 3792..3995		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o3.tm	Method	TBLASTX:Maize
Start	3784	End	4273
GI	none	Score	65
Exons	3784..3966, 3785..3970, 3961..4119, 3980..4120, 4193..4273, 4197..4247, 4231..4272		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o7.tw	Method	TBLASTX:Wheat
Start	4012	End	4290
GI	none	Score	189
Exons	4012..4290		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o6.tw	Method	TBLASTX:Wheat
Start	4300	End	4513
GI	none	Score	90
Exons	4300..4506, 4306..4512, 4358..4513		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o5.tm	Method	TBLASTX:Maize
Start	4872	End	5141
GI	none	Score	74
Exons	4872..5042, 4884..5015, 4885..5025, 5055..5141		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o7.tm	Method	TBLASTX:Maize
Start	8286	End	8663
GI	none	Score	78
Exons	8286..8438, 8304..8438, 8308..8439, 8483..8593, 8592..8663		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723

Name	OJ990712_08.9B12.C1.o2.tm	Method	TBLASTX:Maize
Start	32598	End	33017
GI	none	Score	220
Exons	32598..32822, 32618..32821, 32832..32906, 32843..32905, 32906..33016, 32907..33017		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o3.tw	Method	TBLASTX:Wheat
Start	32649	End	32960
GI	none	Score	168
Exons	32649..32822, 32669..32815, 32829..32960, 32831..32947		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o8.tm	Method	TBLASTX:Maize
Start	33230	End	33541
GI	none	Score	192
Exons	33230..33541		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o11.gs	Method	GENSCAN
Start	44270	End	44599
GI	none	Score	.81
Exons	44270..44599		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o6.tm	Method	TBLASTX:Maize
Start	44397	End	56723
GI	none	Score	41
Exons	44397..44423, 44440..44484, 44489..44536, 56505..56672, 56517..56723, 56549..56722		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o3.ts	Method	TBLASTX:Soybean
Start	52772	End	53110
GI	none	Score	207
Exons	52772..53110		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o4.ts	Method	TBLASTX:Soybean
Start	53531	End	53885
GI	none	Score	126
Exons	53531..53653, 53532..53744, 53751..53885		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-

Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o1.tw	Method	TBLASTX:Wheat
Start	53682	End	54086
GI	none	Score	82
Exons	53682..53738, 53687..53728, 53733..54086, 53741..54043, 53745..54086		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o4.tm	Method	TBLASTX:Maize
Start	53736	End	53954
GI	none	Score	272
Exons	53736..53954, 53736..53930, 53741..53953		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o1.tm	Method	TBLASTX:Maize
Start	53955	End	54416
GI	none	Score	542
Exons	53955..54416, 53957..54220, 54290..54415		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o5.tw	Method	TBLASTX:Wheat
Start	54087	End	54485
GI	none	Score	200
Exons	54087..54422, 54104..54214, 54384..54485		

Seq. No.	5357	Seq. ID	OJ990712_08.9B12.C1
Gene No.	11140	Strand	-
Start	44270	End	56723
Name	OJ990712_08.9B12.C1.o2.ts	Method	TBLASTX:Soybean
Start	54102	End	54572
GI	none	Score	224
Exons	54102..54383, 54140..54214, 54384..54572, 54428..54559		

Seq. No.	5358	Seq. ID	OJ990712_08.9B12.C2
Gene No.	11141	Strand	+
Start	1243	End	1453
Name	OJ990712_08.9B12.C2.o1.gs	Method	GENSCAN
Start	1243	End	1453
GI	none	Score	.89
Exons	1243..1334, 1411..1453		

Seq. No.	5358	Seq. ID	OJ990712_08.9B12.C2
Gene No.	11142	Strand	-
Start	912	End	1014
Name	OJ990712_08.9B12.C2.o1.gp	Method	AAT/GAP
Start	912	End	1014
GI	LIB3477-003-P1-K1-E9	Score	157
Exons	912..1014		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11143	Strand	+
Start	3450	End	9305
Name	OJ990712_08.9B12.C3.o1.gs	Method	GENSCAN
Start	3450	End	9305
GI	none	Score	.63
Exons	3450..3773, 5883..6009, 9136..9305		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11143	Strand	+
Start	3450	End	9305
Name	OJ990712_08.9B12.C3.o1.gp	Method	AAT/GAP
Start	3453	End	5952
GI	LIB3477-003-P1-K1-D6	Score	730
Exons	3453..3773, 5883..5952		
GI Descrip.	'3831458 4.0e-32 (AC005700) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11143	Strand	+
Start	3450	End	9305
Name	OJ990712_08.9B12.C3.o2.gp	Method	AAT/GAP
Start	6011	End	6433
GI	3762705	Score	707
Exons	6011..6433		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11144	Strand	+
Start	10247	End	15858
Name	OJ990712_08.9B12.C3.o2.gs	Method	GENSCAN
Start	10247	End	15701
GI	none	Score	.55
Exons	10247..10548, 11317..11453, 11535..11644, 12367..12447, 12668..12760, 13625..13744, 14389..14460, 14671..14748, 15510..15701		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11144	Strand	+
Start	10247	End	15858
Name	OJ990712_08.9B12.C3.o4.gp	Method	AAT/GAP
Start	11012	End	11698
GI	2428386	Score	764
Exons	11012..11101, 11206..11453, 11571..11698		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11144	Strand	+
Start	10247	End	15858
Name	OJ990712_08.9B12.C3.o5.gp	Method	AAT/GAP
Start	12406	End	13769
GI	none	Score	427
Exons	12406..12447, 12668..12760, 13625..13769		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11144	Strand	+
Start	10247	End	15858
Name	OJ990712_08.9B12.C3.o6.gp	Method	AAT/GAP

Start	14139	End	15858
GI	57568_1.R1084	Score	1412
Exons	14139..14460, 14671..14748, 15510..15858		
GI Descrip.	'4759180/ref|NP_004188.1|pSTK19| 2.0e-10 serine/threonine kinase 19 >gi_1082305_pir__A53439 complement C4A 5''-region protein RP - human >gi_452067 (L26261) RP1 [Homo sapiens] >gi_500622 (L26260) MHC HLA-RP-complement system protein [Homo sapiens]'		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11145	Strand	+
Start	24159	End	25322
Name	OJ990712_08.9B12.C3.o5.gs	Method	GENSCAN
Start	24159	End	25322
GI	none	Score	.96
Exons	24159..24239, 24839..24925, 25065..25322		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11146	Strand	-
Start	10425	End	10943
Name	OJ990712_08.9B12.C3.o3.gp	Method	AAT/GAP
Start	10425	End	10943
GI	35458_1.R1084	Score	134
Exons	10425..10446, 10766..10850, 10911..10943		
GI Descrip.	'3868853/dbj|BAA34247| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11147	Strand	-
Start	14981	End	20876
Name	OJ990712_08.9B12.C3.o1.np	Method	AAT/NAP
Start	14981	End	20876
GI	4680199	Score	603
Exons	14981..15000, 16654..16715, 16887..17037, 17083..17596, 17675..17847, 18071..18590, 18970..19315, 20771..20876		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11148	Strand	-
Start	23407	End	23885
Name	OJ990712_08.9B12.C3.o4.gs	Method	GENSCAN
Start	23407	End	23885
GI	none	Score	.82
Exons	23407..23636, 23801..23885		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o2.tm	Method	TBLASTX:Maize
Start	3489	End	3773
GI	none	Score	395
Exons	3489..3773, 3518..3682		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o4.ts	Method	TBLASTX:Soybean
Start	3489	End	3725

GI	none	Score	224
Exons	3489..3725, 3518..3679		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o7.tm	Method	TBLASTX:Maize
Start	5895	End	6059
GI	none	Score	209
Exons	5895..6059, 5897..6058		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o1.tw	Method	TBLASTX:Wheat
Start	13651	End	15686
GI	none	Score	107
Exons	13651..13740, 13652..13744, 14349..14477, 14385..14456, 14392..14487, 14670..14747, 14671..14748, 14674..14748, 15507..15686, 15509..15685		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o5.tm	Method	TBLASTX:Maize
Start	15449	End	15740
GI	none	Score	237
Exons	15449..15703, 15479..15724, 15483..15737, 15600..15740		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o4.tm	Method	TBLASTX:Maize
Start	16670	End	17003
GI	none	Score	212
Exons	16670..17002, 16725..17003		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o3.ts	Method	TBLASTX:Soybean
Start	16685	End	17009
GI	none	Score	68
Exons	16685..16909, 16728..16865, 16901..17008, 16917..17009		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o2.tw	Method	TBLASTX:Wheat
Start	17076	End	17410
GI	none	Score	105
Exons	17076..17291, 17108..17293, 17327..17410		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o6.tm	Method	TBLASTX:Maize

Start	17093	End	17608
GI	none	Score	74
Exons	17093..17296, 17100..17180, 17387..17608		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o2.np	Method	AAT/NAP
Start	25240	End	32669
GI	3024871	Score	642
Exons	25240..25272, 28141..28453, 28699..28825, 30174..30335, 30687..30836, 31097..31162, 31611..31776, 31905..32040, 32574..32669		
GI Descrip.	HYPOTHETICAL 77.3 KD PROTEIN SLL0005 gi|1001579|dbj|BAA10206| (D64000) ABC1-like [Synechocystis sp.]		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o3.tm	Method	TBLASTX:Maize
Start	25587	End	26639
GI	none	Score	218
Exons	25587..25781, 25592..25822, 25598..25822, 26353..26556, 26355..26609, 26356..26628, 26358..26609, 26402..26611, 26594..26635, 26610..26639		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o6.gs	Method	GENSCAN
Start	26329	End	32075
GI	none	Score	.78
Exons	26329..26631, 28153..28413, 28676..28825, 30174..30335, 30687..30856, 31905..32075		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o1.tm	Method	TBLASTX:Maize
Start	28117	End	28420
GI	none	Score	337
Exons	28117..28413, 28123..28416, 28139..28420		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o1.ts	Method	TBLASTX:Soybean
Start	28139	End	28357
GI	none	Score	132
Exons	28139..28342, 28140..28343, 28150..28356, 28151..28357		

Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o1.tc	Method	TBLASTX:Cress
Start	28703	End	30335
GI	none	Score	130

Exons	28703..28825, 30168..30335, 30205..30318		
Seq. No.	5359	Seq. ID	OJ990712_08.9B12.C3
Gene No.	11149	Strand	-
Start	25240	End	32669
Name	OJ990712_08.9B12.C3.o2.ts	Method	TBLASTX:Soybean
Start	28718	End	30332
GI	none	Score	83
Exons	28718..28825, 28722..28823, 30168..30332, 30174..30320, 30181..30327		
Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11150	Strand	+
Start	1843	End	2447
Name	OJ990712_08.9B12.C4.o1.gs	Method	GENSCAN
Start	1843	End	2447
GI	none	Score	.93
Exons	1843..2053, 2386..2447		
Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11151	Strand	+
Start	9010	End	17346
Name	OJ990712_08.9B12.C4.o1.gp	Method	AAT/GAP
Start	9010	End	9462
GI	2312335	Score	796
Exons	9010..9462		
Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11151	Strand	+
Start	9010	End	17346
Name	OJ990712_08.9B12.C4.o1.np	Method	AAT/NAP
Start	9279	End	14386
GI	5478530	Score	249
Exons	9279..9497, 10679..10787, 11034..11083, 11411..11779, 11867..11974, 12260..12520, 14360..14386		
GI Descrip.	(AF130441) UVB-resistance protein UVR8 [Arabidopsis thaliana]		
Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11151	Strand	+
Start	9010	End	17346
Name	OJ990712_08.9B12.C4.o4.gs	Method	GENSCAN
Start	10662	End	17346
GI	none	Score	.53
Exons	10662..10666, 10750..10888, 11411..11779, 11867..11974, 12260..12597, 13417..13538, 14796..14860, 14993..15100, 16351..17346		
Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11151	Strand	+
Start	9010	End	17346
Name	OJ990712_08.9B12.C4.o2.gp	Method	AAT/GAP
Start	11475	End	11902
GI	3766635	Score	658
Exons	11475..11779, 11867..11902		
GI Descrip.	4557026/ref|NP_003913.1|pHERC1| 2.0e-14 guanine nucleotide exchange factor p532 >gi_1477565 (U50078) p532 [Homo sapiens]		

Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11152	Strand	-
Start	5427	End	8638
Name	OJ990712_08.9B12.C4.o2.gs	Method	GENSCAN
Start	5427	End	8638
GI	none	Score	.54
Exons	5427..5978, 6296..6356, 7687..7763, 8528..8638		

Seq. No.	5360	Seq. ID	OJ990712_08.9B12:C4
Gene No.	11153	Strand	-
Start	9015	End	9899
Name	OJ990712_08.9B12.C4.o3.gs	Method	GENSCAN
Start	9015	End	9899
GI	none	Score	.66
Exons	9015..9899		

Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11154	Strand	-
Start	12480	End	12947
Name	OJ990712_08.9B12.C4.o2.tm	Method	TBLASTX:Maize
Start	69	End	511
GI	none	Score	228
Exons	69..125, 349..510, 350..511, 365..511		

Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11154	Strand	-
Start	12480	End	12947
Name	OJ990712_08.9B12.C4.o3.tm	Method	TBLASTX:Maize
Start	10700	End	11749
GI	none	Score	69
Exons	10700..10774, 10975..11046, 10976..11071, 10985..11086, 11633..11749, 11633..11749		

Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11154	Strand	-
Start	12480	End	12947
Name	OJ990712_08.9B12.C4.o1.ts	Method	TBLASTX:Soybean
Start	11398	End	12339
GI	none	Score	176
Exons	11398..11538, 11408..11563, 11408..11536, 11410..11526, 11435..11545, 11467..11571, 11537..11782, 11537..11767, 11545..11787, 11558..11698, 11561..11713, 11564..11632, 11701..11787, 11851..11985, 11854..11979, 11867..11983, 12257..12337, 12259..12339		

Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11154	Strand	-
Start	12480	End	12947
Name	OJ990712_08.9B12.C4.o1.tm	Method	TBLASTX:Maize
Start	11408	End	12839
GI	none	Score	66
Exons	11408..11497, 11455..11526, 11456..11563, 11563..11631, 11564..11632, 11848..11979, 11851..11985, 11867..11983, 12244..12615, 12256..12366, 12257..12619, 12257..12616, 12418..12621, 12637..12681, 12710..12751, 12714..12752, 12777..12839, 12783..12839		

Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11154	Strand	-
Start	12480	End	12947
Name	OJ990712_08.9B12.C4.o2.ts	Method	TBLASTX:Soybean
Start	12368	End	12577
GI	none	Score	257
Exons	12368..12577, 12418..12549		

Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11154	Strand	-
Start	12480	End	12947
Name	OJ990712_08.9B12.C4.o3.gp	Method	AAT/GAP
Start	12480	End	12947
GI	4861_1.R1084	Score	893
Exons	12480..12947		
GI Descrip.	'4557026/ref|NP_003913.1|pHERC1| 2.0e-14 guanine nucleotide exchange factor p532 >gi_1477565 (U50078) p532 [Homo sapiens]'		

Seq. No.	5360	Seq. ID	OJ990712_08.9B12.C4
Gene No.	11155	Strand	
Start	16423	End	16965
Name	OJ990712_08.9B12.C4.o1.tc	Method	TBLASTX:Cress
Start	16423	End	16965
GI	none	Score	112
Exons	16423..16548, 16609..16656, 16771..16965		

Seq. No.	5361	Seq. ID	OJ990402_02.9B05.C1
Gene No.	11156	Strand	+
Start	1	End	504
Name	OJ990402_02.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	504
GI	5103193	Score	879
Exons	1..504		
GI Descrip.	(AP000342) transposase of Tn10 [Plasmid R100] gi|5738084|gb|AAD50242.1|AF162223_1 (AF162223) IS10-left transposase [Shigella flexneri]		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11157	Strand	+
Start	1	End	3471
Name	OJ990402_02.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	3471
GI	6466937	Score	694
Exons	1..65, 2370..3471		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11157	Strand	+
Start	1	End	3471
Name	OJ990402_02.9B05.C2.o2.gp	Method	AAT/GAP
Start	2143	End	2251
GI	uC-osflcyp088b12b1	Score	146
Exons	2143..2251		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11158	Strand	+
Start	7097	End	7724
Name	OJ990402_02.9B05.C2.o3.gs	Method	GENSCAN
Start	7097	End	7724
GI	none	Score	.75
Exons	7097..7099, 7386..7724		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11159	Strand	-
Start	6119	End	6529
Name	OJ990402_02.9B05.C2.o2.gs	Method	GENSCAN
Start	6119	End	6529
GI	none	Score	.99
Exons	6119..6529		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11160	Strand	-
Start	11820	End	16314
Name	OJ990402_02.9B05.C2.o2.np	Method	AAT/NAP
Start	11820	End	16314
GI	4680203	Score	542
Exons	11820..11850, 13956..14053, 14508..15348, 15852..16314		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11161	Strand	-
Start	18115	End	19083
Name	OJ990402_02.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	2404	End	2847
GI	none	Score	513
Exons	2404..2847, 2406..2843		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11161	Strand	-
Start	18115	End	19083
Name	OJ990402_02.9B05.C2.o2.ts	Method	TBLASTX:Soybean
Start	2413	End	2748
GI	none	Score	42
Exons	2413..2466, 2479..2625, 2635..2712, 2698..2748		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11161	Strand	-
Start	18115	End	19083
Name	OJ990402_02.9B05.C2.o1.tw	Method	TBLASTX:Wheat
Start	2470	End	3057
GI	none	Score	259
Exons	2470..2856, 2917..3057		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11161	Strand	-
Start	18115	End	19083
Name	OJ990402_02.9B05.C2.o2.tm	Method	TBLASTX:Maize
Start	2857	End	3485
GI	none	Score	282
Exons	2857..3162, 2868..3170, 2902..3216, 2981..3220, 3253..3453, 3309..3485		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11161	Strand	-
Start	18115	End	19083
Name	OJ990402_02.9B05.C2.o1.tc	Method	TBLASTX:Cress
Start	14623	End	14979
GI	none	Score	244
Exons	14623..14979		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11161	Strand	-
Start	18115	End	19083
Name	OJ990402_02.9B05.C2.o3.tm	Method	TBLASTX:Maize
Start	14644	End	14860
GI	none	Score	118
Exons	14644..14829, 14644..14850, 14663..14860		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11161	Strand	-
Start	18115	End	19083
Name	OJ990402_02.9B05.C2.o2.tw	Method	TBLASTX:Wheat
Start	14728	End	15361
GI	none	Score	51
Exons	14728..14847, 14845..14970, 14846..14968, 15021..15200, 15032..15361		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11161	Strand	-
Start	18115	End	19083
Name	OJ990402_02.9B05.C2.o1.ts	Method	TBLASTX:Soybean
Start	15032	End	15304
GI	none	Score	72
Exons	15032..15304, 15156..15269		

Seq. No.	5362	Seq. ID	OJ990402_02.9B05.C2
Gene No.	11161	Strand	-
Start	18115	End	19083
Name	OJ990402_02.9B05.C2.o5.gs	Method	GENSCAN
Start	18115	End	19083
GI	none	Score	.76
Exons	18115..18280, 18545..18698, 18715..18847, 19078..19083		

Seq. No.	5363	Seq. ID	OJ990402_02.9B05.C3
Gene No.	11162	Strand	+
Start	231	End	915
Name	OJ990402_02.9B05.C3.o1.gs	Method	GENSCAN
Start	231	End	915
GI	none	Score	.56
Exons	231..359, 454..715, 785..915		

Seq. No.	5364	Seq. ID	OJ990402_02.9B05.C4
Gene No.	11163	Strand	+
Start	2991	End	4915
Name	OJ990402_02.9B05.C4.o1.np	Method	AAT/NAP
Start	2991	End	4915
GI	2792216	Score	597
Exons	2991..3205, 4324..4915		

GI Descrip. (AF032686) NBS-LRR type resistance protein [Hordeum vulgare]

Seq. No.	5364	Seq. ID	OJ990402_02.9B05.C4
Gene No.	11163	Strand	+
Start	2991	End	4915
Name	OJ990402_02.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	4322	End	4873
GI	none	Score	100
Exons	4322..4444, 4324..4443, 4487..4684, 4686..4724, 4751..4873		

Seq. No.	5365	Seq. ID	OJ990402_02.9B05.C5
Gene No.	11164	Strand	+
Start	126	End	3533
Name	OJ990402_02.9B05.C5.o1.gs	Method	GENSCAN
Start	126	End	3533
GI	none	Score	.62
Exons	126..779, 2592..3059, 3128..3533		

Seq. No.	5365	Seq. ID	OJ990402_02.9B05.C5
Gene No.	11164	Strand	+
Start	126	End	3533
Name	OJ990402_02.9B05.C5.o1.np	Method	AAT/NAP
Start	2579	End	3233
GI	4519938	Score	265
Exons	2579..3233		

GI Descrip. (AB019240) RPR1h [Oryza sativa]

Seq. No.	5365	Seq. ID	OJ990402_02.9B05.C5
Gene No.	11165	Strand	-
Start	4012	End	7698
Name	OJ990402_02.9B05.C5.o2.gs	Method	GENSCAN
Start	4012	End	7698
GI	none	Score	.88
Exons	4012..4064, 4550..4695, 4847..5033, 5127..6369, 7120..7698		

Seq. No.	5365	Seq. ID	OJ990402_02.9B05.C5
Gene No.	11165	Strand	-
Start	4012	End	7698
Name	OJ990402_02.9B05.C5.o2.np	Method	AAT/NAP
Start	4145	End	4408
GI	5295971	Score	150
Exons	4145..4408		

GI Descrip. (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11166	Strand	+
Start	3864	End	7416
Name	OJ990402_02.9B05.C6.o2.np	Method	AAT/NAP
Start	3864	End	7207
GI	4325357	Score	368
Exons	3864..3933, 5315..5719, 6521..7207		

GI Descrip. (AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11166	Strand	+
Start	3864	End	7416
Name	OJ990402_02.9B05.C6.o2.gs	Method	GENSCAN
Start	5777	End	7416
GI	none	Score	.46
Exons	5777..6002, 6258..7201, 7207..7416		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11167	Strand	+
Start	8045	End	9531
Name	OJ990402_02.9B05.C6.o3.gs	Method	GENSCAN
Start	8045	End	9531
GI	none	Score	.67
Exons	8045..8250, 8653..8704, 9022..9130, 9401..9531		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o1.gs	Method	GENSCAN
Start	1341	End	5585
GI	none	Score	.43
Exons	1341..1462, 1587..3183, 3244..3460, 3510..3655, 3957..4114, 5171..5585		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o1.np	Method	AAT/NAP
Start	1484	End	7595
GI	5295971	Score	1795
Exons	1484..3655, 7571..7595		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o4.tm	Method	TBLASTX:Maize
Start	1589	End	1885
GI	none	Score	215
Exons	1589..1885, 1589..1858, 1591..1884		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	1594	End	1980
GI	none	Score	56
Exons	1594..1674, 1595..1666, 1679..1750, 1684..1980		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o3.ts	Method	TBLASTX:Soybean
Start	1789	End	2172

GI	none	Score	278
Exons	1789..2172		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o3.tw	Method	TBLASTX:Wheat
Start	1798	End	2151
GI	none	Score	89
Exons	1798..1971, 1996..2151		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	1886	End	2277
GI	none	Score	194
Exons	1886..2275, 1888..2277		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	2321	End	2775
GI	none	Score	87
Exons	2321..2494, 2347..2670, 2353..2634, 2561..2647, 2704..2775		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	2347	End	2859
GI	5509260	Score	163
Exons	2347..2859, 2351..2827		
GI Descrip.	-		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o2.tc	Method	TBLASTX:Cress
Start	2428	End	2703
GI	none	Score	93
Exons	2428..2703, 2561..2689		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o2.tm	Method	TBLASTX:Maize
Start	2467	End	2788
GI	none	Score	183
Exons	2467..2787, 2468..2788		

Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o2.ts	Method	TBLASTX:Soybean
Start	3190	End	3651

GI	none	Score	124
Exons	3190..3651, 3410..3610		
Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o3.tc	Method	TBLASTX:Cress
Start	3208	End	3633
GI	none	Score	238
Exons	3208..3633		
Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o5.tw	Method	TBLASTX:Wheat
Start	3268	End	3603
GI	none	Score	120
Exons	3268..3432, 3448..3603		
Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o3.tm	Method	TBLASTX:Maize
Start	3271	End	3657
GI	none	Score	44
Exons	3271..3342, 3275..3331, 3355..3657, 3374..3643, 3394..3657		
Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o2.tw	Method	TBLASTX:Wheat
Start	5292	End	5714
GI	none	Score	87
Exons	5292..5402, 5418..5633, 5607..5714		
Seq. No.	5366	Seq. ID	OJ990402_02.9B05.C6
Gene No.	11168	Strand	-
Start	1341	End	7595
Name	OJ990402_02.9B05.C6.o4.tw	Method	TBLASTX:Wheat
Start	6515	End	6886
GI	none	Score	100
Exons	6515..6682, 6701..6886, 6721..6855		
Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11169	Strand	+
Start	249	End	3558
Name	OJ990402_02.9B05.C7.o1.gs	Method	GENSCAN
Start	249	End	3558
GI	none	Score	.67
Exons	249..261, 1549..1649, 1742..1913, 2209..2265, 3521..3558		
Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11169	Strand	+
Start	249	End	3558
Name	OJ990402_02.9B05.C7.o1.gp	Method	AAT/GAP
Start	2696	End	3077
GI	uC-osflcyp033a04b1	Score	663

Exons	2696..3077		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11170	Strand	+
Start	5812	End	6598
Name	OJ990402_02.9B05.C7.o3.gs	Method	GENSCAN
Start	5812	End	6598
GI	none	Score	.75
Exons	5812..5865, 6046..6116, 6163..6295, 6383..6598		
Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o1.np	Method	AAT/NAP
Start	1	End	6536
GI	5852180	Score	435
Exons	1..21, 1360..1803, 1855..1972, 2926..2981, 4374..4583, 6516..6536		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o2.np	Method	AAT/NAP
Start	1	End	13141
GI	5295971	Score	1200
Exons	1..52, 3842..4753, 4781..4919, 6692..6780, 10696..11466, 13105..13141		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o2.gs	Method	GENSCAN
Start	3827	End	5325
GI	none	Score	.92
Exons	3827..4959, 5271..5325		
Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	3953	End	4228
GI	none	Score	193
Exons	3953..4228, 4052..4132		
Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	4166	End	4619
GI	none	Score	84
Exons	4166..4252, 4253..4618, 4370..4534, 4374..4619		

Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	4230	End	4702
GI	none	Score	61
Exons	4230..4376, 4232..4387, 4235..4630, 4421..4639, 4440..4640, 4616..4702		

Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o3.np	Method	AAT/NAP
Start	9867	End	13141
GI	4388825	Score	206
Exons	9867..9894, 12806..13141		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o4.gs	Method	GENSCAN
Start	10623	End	13095
GI	none	Score	.71
Exons	10623..11051, 11094..11528, 11627..11665, 12554..12694, 12700..13095		

Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	10842	End	11166
GI	none	Score	112
Exons	10842..11165, 10906..11166		

Seq. No.	5367	Seq. ID	OJ990402_02.9B05.C7
Gene No.	11171	Strand	-
Start	1	End	13141
Name	OJ990402_02.9B05.C7.o2.tw	Method	TBLASTX:Wheat
Start	10893	End	11243
GI	none	Score	71
Exons	10893..11243, 10959..11156		

Seq. No.	5368	Seq. ID	OJ990402_02.9B05.C8
Gene No.	11172	Strand	-
Start	1	End	543
Name	OJ990402_02.9B05.C8.o1.np	Method	AAT/NAP
Start	1	End	543
GI	6721550	Score	89
Exons	1..241, 520..543		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib (AB013448)		

Seq. No.	5368	Seq. ID	OJ990402_02.9B05.C8
Gene No.	11172	Strand	-
Start	1	End	543

Name	OJ990402_02.9B05.C8.o1.gs	Method	GENSCAN
Start	81	End	227
GI	none	Score	.73
Exons	81..227		

Seq. No.	5369	Seq. ID	OJ990402_02.9B05.C9
Gene No.	11173	Strand	+
Start	481	End	540
Name	OJ990402_02.9B05.C9.o1.gs	Method	GENSCAN
Start	481	End	540
GI	none	Score	.64
Exons	481..540		

Seq. No.	5370	Seq. ID	OJ990402_02.9B05.C12
Gene No.	11174	Strand	+
Start	3298	End	3926
Name	OJ990402_02.9B05.C12.o2.gs	Method	GENSCAN
Start	3298	End	3926
GI	none	Score	.64
Exons	3298..3375, 3567..3926		

Seq. No.	5370	Seq. ID	OJ990402_02.9B05.C12
Gene No.	11175	Strand	+
Start	5177	End	7471
Name	OJ990402_02.9B05.C12.o3.gs	Method	GENSCAN
Start	5177	End	7471
GI	none	Score	.84
Exons	5177..5179, 6229..6505, 7323..7471		

Seq. No.	5370	Seq. ID	OJ990402_02.9B05.C12
Gene No.	11176	Strand	+
Start	11459	End	12356
Name	OJ990402_02.9B05.C12.o2.np	Method	AAT/NAP
Start	11459	End	12356
GI	4926870	Score	51
Exons	11459..11594, 12167..12356		
GI Descrip.	(AC007509) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	5370	Seq. ID	OJ990402_02.9B05.C12
Gene No.	11177	Strand	+
Start	17307	End	17467
Name	OJ990402_02.9B05.C12.o3.np	Method	AAT/NAP
Start	17307	End	17467
GI	5852172	Score	119
Exons	17307..17467		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	5370	Seq. ID	OJ990402_02.9B05.C12
Gene No.	11178	Strand	-
Start	79	End	2851
Name	OJ990402_02.9B05.C12.o1.gs	Method	GENSCAN
Start	79	End	2851
GI	none	Score	.69
Exons	79..1933, 2760..2851		

Seq. No.	5370	Seq. ID	OJ990402_02.9B05.C12

Gene No.	11179	Strand	-
Start	6169	End	6403
Name	OJ990402_02.9B05.C12.o1.np	Method	AAT/NAP
Start	6169	End	6403
GI	6862925	Score	42
Exons	6169..6403		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5370	Seq. ID	OJ990402_02.9B05.C12
Gene No.	11180	Strand	-
Start	10655	End	17519
Name	OJ990402_02.9B05.C12.o4.gs	Method	GENSCAN
Start	10655	End	17519
GI	none	Score	.51
Exons	10655..10852, 12360..12489, 12916..13001, 14537..14803, 14911..15060, 15241..15294, 16839..16896, 16917..17118, 17381..17519		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11181	Strand	+
Start	1	End	2827
Name	OJ990402_02.9B05.C13.o1.np	Method	AAT/NAP
Start	1	End	625
GI	6721512	Score	46
Exons	1..51, 393..625		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11181	Strand	+
Start	1	End	2827
Name	OJ990402_02.9B05.C13.o1.gs	Method	GENSCAN
Start	231	End	2827
GI	none	Score	.93
Exons	231..275, 2031..2075, 2373..2827		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11182	Strand	+
Start	5455	End	6320
Name	OJ990402_02.9B05.C13.o2.gs	Method	GENSCAN
Start	5455	End	6320
GI	none	Score	.85
Exons	5455..5590, 5843..6139, 6166..6320		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11183	Strand	-
Start	6945	End	11215
Name	OJ990402_02.9B05.C13.o2.np	Method	AAT/NAP
Start	6945	End	11215
GI	3236247	Score	396
Exons	6945..6981, 8341..8990, 11175..11215		
GI Descrip.	(AC004684) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11183	Strand	-
Start	6945	End	11215
Name	OJ990402_02.9B05.C13.o3.np	Method	AAT/NAP

Start	9650	End	10845
GI	6907106	Score	407
Exons	9650..9861, 9896..10096, 10396..10845		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o4.tm	Method	TBLASTX:Maize
Start	6006	End	6209
GI	none	Score	217
Exons	6006..6209, 6007..6186		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o3.ts	Method	TBLASTX:Soybean
Start	6033	End	6180
GI	none	Score	184
Exons	6033..6179, 6034..6180		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o2.tc	Method	TBLASTX:Cress
Start	8342	End	8968
GI	none	Score	75
Exons	8342..8434, 8552..8593, 8619..8723, 8626..8736, 8709..8840, 8840..8968		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	8607	End	8990
GI	none	Score	141
Exons	8607..8714, 8608..8715, 8689..8796, 8697..8798, 8700..8801, 8802..8852, 8840..8977, 8841..8990		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o2.ts	Method	TBLASTX:Soybean
Start	8617	End	8777
GI	none	Score	140
Exons	8617..8772, 8619..8777		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o3.tm	Method	TBLASTX:Maize
Start	9747	End	10058
GI	none	Score	57
Exons	9747..9794, 9748..9789, 9749..9802, 9780..9815, 9886..9954, 9891..9956, 9895..9945, 9897..10058, 9897..10025, 9944..10057, 9959..9985		

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	12258	End	13059
GI	none	Score	67

Exons: 12258..12335, 12267..12335, 12291..12410, 12408..12539, 12408..12632, 12408..12632, 12408..12608, 12408..12608, 12408..12632, 12408..12632, 12409..12609, 12409..12537, 12409..12633, 12409..12633, 12422..12631, 12442..12615, 12459..12632, 12465..12632, 12472..12633, 12649..12690, 12688..12747, 12712..12777, 12715..12792, 12715..12777, 12715..12792, 12718..12774, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12798..12893, 12798..12893, 12798..12893, 12798..12884, 12798..12884, 12798..12884, 12798..12893, 12798..12842, 12798..12893, 12802..12906, 12802..12921, 12802..12921, 12808..12906, 12808..12981, 12808..12900, 12826..12921, 12838..12921, 12843..12893, 12855..12893, 12856..12921, 13006..13059

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	12258	End	13059
GI	none	Score	89

Exons: 12258..12335, 12291..12335, 12364..12540, 12378..12632, 12378..12548, 12378..12632, 12408..12632, 12408..12629, 12408..12632, 12409..12537, 12409..12633, 12409..12537, 12409..12537, 12409..12549, 12456..12632, 12642..12683, 12688..12792, 12715..12771, 12715..12792, 12718..12789, 12735..12791, 12735..12791, 12735..12791, 12735..12797, 12735..12791, 12735..12791, 12762..12875, 12771..12863, 12798..12893, 12798..12884, 12798..12884, 12798..12884, 12798..12893, 12798..12893, 12802..12921, 12802..12921, 12802..12948, 12808..12921, 12826..12921, 12832..12966, 12840..12893, 12865..12921, 13006..13059

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o1.tc	Method	TBLASTX:Cress
Start	12258	End	13129
GI	none	Score	119

Exons: 12258..12341, 12291..12371, 12378..12632, 12378..12632, 12408..12632, 12408..12632, 12408..12608, 12408..12638, 12409..12591, 12409..12534, 12409..12537, 12409..12543, 12409..12537, 12409..12534, 12459..12632, 12471..12632, 12540..12632, 12573..12620, 12574..12612, 12655..12690, 12683..12748, 12688..12747, 12712..12741, 12715..12789, 12718..12747, 12718..12792, 12718..12747, 12721..12777, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12735..12791, 12786..12893, 12798..12893, 12798..12884, 12798..12884, 12798..12884, 12798..12893, 12798..12842, 12798..12893,

12798..12893, 12802..12924, 12802..12906, 12808..12906,
12808..12900, 12826..12906, 12843..12893, 12856..12921,
12856..12921, 12911..12958, 13006..13059, 13007..13129

Seq. No.	5371	Seq. ID	OJ990402_02.9B05.C13
Gene No.	11184	Strand	-
Start	12285	End	13129
Name	OJ990402_02.9B05.C13.o4.np	Method	AAT/NAP
Start	12285	End	12975
GI	6692098	Score	398
Exons	12285..12335, 12385..12975		
GI Descrip.	(AC007764) F22C12.10 [Arabidopsis thaliana]		

Seq. No.	5372	Seq. ID	OJ990402_02.9B05.C14
Gene No.	11185	Strand	+
Start	192	End	598
Name	OJ990402_02.9B05.C14.o1.tw	Method	TBLASTX:Wheat
Start	184	End	504
GI	none	Score	157
Exons	184..405, 237..398, 414..494, 415..504		

Seq. No.	5372	Seq. ID	OJ990402_02.9B05.C14
Gene No.	11185	Strand	+
Start	192	End	598
Name	OJ990402_02.9B05.C14.o1.tm	Method	TBLASTX:Maize
Start	190	End	576
GI	none	Score	345
Exons	190..492, 190..453, 204..473, 505..576, 516..572		

Seq. No.	5372	Seq. ID	OJ990402_02.9B05.C14
Gene No.	11185	Strand	+
Start	192	End	598
Name	OJ990402_02.9B05.C14.o1.gs	Method	GENSCAN
Start	192	End	473
GI	none	Score	.89
Exons	192..337, 387..473		

Seq. No.	5372	Seq. ID	OJ990402_02.9B05.C14
Gene No.	11185	Strand	+
Start	192	End	598
Name	OJ990402_02.9B05.C14.o1.np	Method	AAT/NAP
Start	192	End	598
GI	5295971	Score	381
Exons	192..598		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	5372	Seq. ID	OJ990402_02.9B05.C14
Gene No.	11185	Strand	+
Start	192	End	598
Name	OJ990402_02.9B05.C14.o1.ts	Method	TBLASTX:Soybean
Start	196	End	588
GI	none	Score	337
Exons	196..588, 237..437		

Seq. No.	5372	Seq. ID	OJ990402_02.9B05.C14

Gene No.	11185	Strand	+
Start	192	End	598
Name	OJ990402_02.9B05.C14.o1.tc	Method	TBLASTX:Cress
Start	214	End	579
GI	none	Score	189
Exons	214..579		

Seq. No.	5373	Seq. ID	OJ990402_02.9B05.C15
Gene No.	11186	Strand	+
Start	1	End	730
Name	OJ990402_02.9B05.C15.o1.np	Method	AAT/NAP
Start	1	End	730
GI	4008008	Score	198
Exons	1..177, 289..484, 600..730		
GI Descrip.	(AF084035) receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5373	Seq. ID	OJ990402_02.9B05.C15
Gene No.	11186	Strand	+
Start	1	End	730
Name	OJ990402_02.9B05.C15.o1.tc	Method	TBLASTX:Cress
Start	29	End	394
GI	none	Score	120
Exons	29..172, 94..171, 287..394, 289..390		

Seq. No.	5373	Seq. ID	OJ990402_02.9B05.C15
Gene No.	11186	Strand	+
Start	1	End	730
Name	OJ990402_02.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	29	End	394
GI	none	Score	131
Exons	29..172, 76..171, 289..393, 290..394		

Seq. No.	5373	Seq. ID	OJ990402_02.9B05.C15
Gene No.	11186	Strand	+
Start	1	End	730
Name	OJ990402_02.9B05.C15.o1.tw	Method	TBLASTX:Wheat
Start	35	End	409
GI	none	Score	183
Exons	35..169, 38..175, 76..171, 289..408, 290..409		

Seq. No.	5373	Seq. ID	OJ990402_02.9B05.C15
Gene No.	11186	Strand	+
Start	1	End	730
Name	OJ990402_02.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	41	End	409
GI	none	Score	151
Exons	41..178, 41..175, 289..408, 290..409		

Seq. No.	5373	Seq. ID	OJ990402_02.9B05.C15
Gene No.	11186	Strand	+
Start	1	End	730
Name	OJ990402_02.9B05.C15.o1.gs	Method	GENSCAN
Start	89	End	627
GI	none	Score	.98
Exons	89..177, 289..439, 553..627		

Seq. No.	5374	Seq. ID	OJ990402_02.9B05.C16

Gene No.	11187	Strand	+
Start	1	End	450
Name	OJ990402_02.9B05.C16.o1.np	Method	AAT/NAP
Start	1	End	450
GI	5295971	Score	144
Exons	1..450		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	5374	Seq. ID	OJ990402_02.9B05.C16
Gene No.	11187	Strand	+
Start	1	End	450
Name	OJ990402_02.9B05.C16.o1.tm	Method	TBLASTX:Maize
Start	2	End	219
GI	none	Score	139
Exons	2..121, 4..147, 115..219		

Seq. No.	5375	Seq. ID	OJ990402_02.9B05.C18
Gene No.	11188	Strand	+
Start	194	End	329
Name	OJ990402_02.9B05.C18.o1.gs	Method	GENSCAN
Start	194	End	329
GI	none	Score	.56
Exons	194..329		

Seq. No.	5376	Seq. ID	OJ990402_02.9B05.C20
Gene No.	11189	Strand	-
Start	7	End	601
Name	OJ990402_02.9B05.C20.o1.gp	Method	AAT/GAP
Start	7	End	549
GI	uC-osflm202109g06b1	Score	1054
Exons	7..549		
GI Descrip.	'421989/pir||S29819 1.0e-24 serpin - barley >gi_19071_emb_CAA78822_ (Z15116) protein zx [Hordeum vulgare] >gi_444778_prf__1908213A protein Zx [Hordeum vulgare]'		

Seq. No.	5376	Seq. ID	OJ990402_02.9B05.C20
Gene No.	11189	Strand	-
Start	7	End	601
Name	OJ990402_02.9B05.C20.o1.gs	Method	GENSCAN
Start	92	End	565
GI	none	Score	1
Exons	92..565		

Seq. No.	5376	Seq. ID	OJ990402_02.9B05.C20
Gene No.	11189	Strand	-
Start	7	End	601
Name	OJ990402_02.9B05.C20.o1.ts	Method	TBLASTX:Soybean
Start	93	End	589
GI	none	Score	66
Exons	93..248, 104..247, 222..305, 233..328, 362..454, 363..455, 473..589, 474..566		

Seq. No.	5376	Seq. ID	OJ990402_02.9B05.C20
Gene No.	11189	Strand	-
Start	7	End	601

Name	OJ990402_02.9B05.C20.o1.np	Method	AAT/NAP
Start	98	End	601
GI	5668792	Score	272
Exons	98..601		
GI Descrip.	(AC007519) Strong similarity to gb|Z15116 serpin (pazx) from Hordeum vulgare and is a member of the PF|00079 Serpin family. ESTs gb|R65473, gb|N38150 and gb|AA712968 come from this gene. [Arabidopsis thaliana] gi|6634730|gb|AAF19738.1|AC012463_12 (AC012463) T2E6.14 [Arabidopsis thaliana]		

Seq. No.	5376	Seq. ID	OJ990402_02.9B05.C20
Gene No.	11189	Strand	-
Start	7	End	601
Name	OJ990402_02.9B05.C20.o1.tc	Method	TBLASTX:Cress
Start	102	End	589
GI	none	Score	46
Exons	102..248, 104..247, 233..346, 237..317, 356..460, 473..589, 474..554		

Seq. No.	5376	Seq. ID	OJ990402_02.9B05.C20
Gene No.	11189	Strand	-
Start	7	End	601
Name	OJ990402_02.9B05.C20.o1.tm	Method	TBLASTX:Maize
Start	104	End	589
GI	none	Score	42
Exons	104..196, 105..260, 233..328, 356..460, 366..461, 473..589		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11190	Strand	+
Start	1	End	2911
Name	OJ990402_02.9B05.C21.o1.np	Method	AAT/NAP
Start	1	End	2902
GI	4519936	Score	2010
Exons	1..578, 639..931, 1217..2902		
GI Descrip.	(AB019186) RPR1 [Oryza sativa]		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11190	Strand	+
Start	1	End	2911
Name	OJ990402_02.9B05.C21.o1.gs	Method	GENSCAN
Start	65	End	2911
GI	none	Score	.99
Exons	65..2911		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11191	Strand	-
Start	2877	End	3243
Name	OJ990402_02.9B05.C21.o1.gp	Method	AAT/GAP
Start	2877	End	3243
GI	none	Score	726
Exons	2877..3243		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11192	Strand	-
Start	3465	End	4823
Name	OJ990402_02.9B05.C21.o2.gp	Method	AAT/GAP
Start	3380	End	3922

GI	uC-osflm202109g06b1	Score	1058
Exons	3380..3922		
GI Descrip.	'421989/pir||S29819 1.0e-24 serpin - barley >gi_19071_emb_CAA78822_ (Z15116) protein zx [Hordeum vulgare] >gi_444778_prf__1908213A protein Zx [Hordeum vulgare]'		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11192	Strand	-
Start	3465	End	4823
Name	OJ990402_02.9B05.C21.o2.gs	Method	GENSCAN
Start	3465	End	4823
GI	none	Score	.7
Exons	3465..4823		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11192	Strand	-
Start	3465	End	4823
Name	OJ990402_02.9B05.C21.o2.np	Method	AAT/NAP
Start	3471	End	4799
GI	5668792	Score	561
Exons	3471..3962, 4011..4316, 4407..4799		
GI Descrip.	(AC007519) Strong similarity to gb|Z15116 serpin (pazx) from Hordeum vulgare and is a member of the PF|00079 Serpin family. ESTs gb|R65473, gb|N38150 and gb|AA712968 come from this gene. [Arabidopsis thaliana] gi|6634730|gb|AAF19738.1|AC012463_12 (AC012463) T2E6.14 [Arabidopsis thaliana]		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11193	Strand	-
Start	6031	End	8035
Name	OJ990402_02.9B05.C21.o4.np	Method	AAT/NAP
Start	6031	End	8035
GI	4263521	Score	60
Exons	6031..6258, 7982..8035		
GI Descrip.	(AC004044) putative WD-repeat protein [Arabidopsis thaliana]		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o5.tm	Method	TBLASTX:Maize
Start	248	End	508
GI	none	Score	132
Exons	248..388, 251..385, 271..399, 280..396, 402..479, 403..504, 404..508		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o2.tc	Method	TBLASTX:Cress
Start	416	End	2047
GI	none	Score	66
Exons	416..478, 716..829, 1204..1320, 1217..1315, 1312..1344, 1385..1534, 1408..1524, 1547..1606, 1646..1705, 1916..2047		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383

Name	OJ990402_02.9B05.C21.o2.ts	Method	TBLASTX:Soybean
Start	746	End	2293
GI	none	Score	60
Exons	746..838, 1223..1402, 1249..1341, 1391..1534, 1408..1530, 1550..1675, 1937..2116, 2180..2293		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o2.tw	Method	TBLASTX:Wheat
Start	1223	End	1518
GI	none	Score	121
Exons	1223..1375, 1231..1350, 1385..1516, 1399..1518		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o1.tm	Method	TBLASTX:Maize
Start	1428	End	1771
GI	none	Score	209
Exons	1428..1769, 1430..1771, 1430..1762, 1596..1763, 1642..1770		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o3.tw	Method	TBLASTX:Wheat
Start	1847	End	2146
GI	none	Score	219
Exons	1847..2146, 1855..2142		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o3.tm	Method	TBLASTX:Maize
Start	2090	End	2533
GI	none	Score	372
Exons	2090..2530, 2093..2533		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o1.tw	Method	TBLASTX:Wheat
Start	2189	End	2539
GI	none	Score	243
Exons	2189..2536, 2192..2539		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o4.tm	Method	TBLASTX:Maize
Start	2537	End	2905
GI	none	Score	44
Exons	2537..2611, 2538..2615, 2609..2905, 2612..2905		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383

Name	OJ990402_02.9B05.C21.o1.ts	Method	TBLASTX:Soybean
Start	3466	End	4715
GI	none	Score	66
Exons	3466..3621, 3477..3620, 3595..3678, 3606..3701, 3735..3827, 3736..3828, 3846..3947, 3847..3939, 4014..4091, 4119..4319, 4177..4317, 4407..4532, 4408..4533, 4542..4715, 4584..4619		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o1.tc	Method	TBLASTX:Cress
Start	3475	End	3947
GI	none	Score	46
Exons	3475..3621, 3477..3620, 3606..3719, 3610..3690, 3729..3833, 3846..3947, 3847..3927		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o2.tm	Method	TBLASTX:Maize
Start	3477	End	4323
GI	none	Score	42
Exons	3477..3569, 3478..3633, 3606..3701, 3729..3833, 3739..3834, 3846..3947, 4014..4088, 4119..4322, 4120..4323		

Seq. No.	5377	Seq. ID	OJ990402_02.9B05.C21
Gene No.	11194	Strand	-
Start	9146	End	11383
Name	OJ990402_02.9B05.C21.o3.gs	Method	GENSCAN
Start	9146	End	11383
GI	none	Score	.88
Exons	9146..9661, 10074..10151, 11206..11383		

Seq. No.	5378	Seq. ID	OJ990402_02.9B05.C22
Gene No.	11195	Strand	+
Start	44	End	229
Name	OJ990402_02.9B05.C22.o1.gs	Method	GENSCAN
Start	44	End	229
GI	none	Score	.64
Exons	44..229		

Seq. No.	5378	Seq. ID	OJ990402_02.9B05.C22
Gene No.	11196	Strand	+
Start	1078	End	1344
Name	OJ990402_02.9B05.C22.o2.gs	Method	GENSCAN
Start	1078	End	1344
GI	none	Score	.71
Exons	1078..1344		

Seq. No.	5378	Seq. ID	OJ990402_02.9B05.C22
Gene No.	11197	Strand	-
Start	1033	End	1366
Name	OJ990402_02.9B05.C22.o1.gp	Method	AAT/GAP
Start	1033	End	1366
GI	none	Score	652
Exons	1033..1366		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11198	Strand	+
Start	84	End	701
Name	OJ990402_02.9B05.C23.o1.gs	Method	GENSCAN
Start	84	End	701
GI	none	Score	1
Exons	84..701		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11199	Strand	+
Start	9690	End	10577
Name	OJ990402_02.9B05.C23.o2.gp	Method	AAT/GAP
Start	9649	End	10157
GI	none	Score	998
Exons	9649..10157		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11199	Strand	+
Start	9690	End	10577
Name	OJ990402_02.9B05.C23.o5.gs	Method	GENSCAN
Start	9690	End	10577
GI	none	Score	1
Exons	9690..10577		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11200	Strand	+
Start	13345	End	18319
Name	OJ990402_02.9B05.C23.o6.gs	Method	GENSCAN
Start	13345	End	18223
GI	none	Score	.56
Exons	13345..13369, 14268..14551, 14678..14750, 14937..15353, 15651..15766, 15912..18223		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11200	Strand	+
Start	13345	End	18319
Name	OJ990402_02.9B05.C23.o1.np	Method	AAT/NAP
Start	15421	End	18319
GI	6466937	Score	1388
Exons	15421..18319		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11201	Strand	-
Start	316	End	911
Name	OJ990402_02.9B05.C23.o1.gp	Method	AAT/GAP
Start	316	End	911
GI	41714_1.R1084	Score	1132
Exons	316..911		
GI Descrip.	'480109/pir||S36438 3.0e-11 EPPT protein - hydromedusa (Podocoryne carnea) (fragment) >gi_396743_emb_CAA52402_ (X74358) Pod-EPPT [Podocoryne carnea]'		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11202	Strand	-
Start	2198	End	3892

Name	OJ990402_02.9B05.C23.o2.gs	Method	GENSCAN
Start	2198	End	3892
GI	none	Score	.52
Exons	2198..2335, 2813..2984, 3037..3263, 3272..3892		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11203	Strand	-
Start	7802	End	8276
Name	OJ990402_02.9B05.C23.o4.gs	Method	GENSCAN
Start	7802	End	8276
GI	none	Score	.92
Exons	7802..7948, 8196..8276		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11204	Strand	-
Start	10463	End	10857
Name	OJ990402_02.9B05.C23.o1.tc	Method	TBLASTX:Cress
Start	1	End	10467
GI	none	Score	209
Exons	1..333, 1..345, 4..405, 4..417, 13..390, 13..381, 13..318, 22..423, 28..423, 31..420, 49..453, 55..438, 64..462, 76..474, 91..456, 103..165, 103..513, 112..537, 133..495, 163..546, 172..570, 175..564, 184..564, 184..561, 211..567, 244..564, 244..567, 244..567, 316..576, 10336..10467, 10336..10467		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11204	Strand	-
Start	10463	End	10857
Name	OJ990402_02.9B05.C23.o2.ts	Method	TBLASTX:Soybean
Start	3043	End	4527
GI	none	Score	76
Exons	3043..3132, 3048..3146, 3203..3277, 3392..3544, 3548..3637, 3665..3883, 3666..3893, 4205..4375, 4290..4376, 4480..4527		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11204	Strand	-
Start	10463	End	10857
Name	OJ990402_02.9B05.C23.o3.tm	Method	TBLASTX:Maize
Start	3048	End	3880
GI	none	Score	118
Exons	3048..3134, 3209..3331, 3338..3376, 3392..3544, 3644..3880, 3666..3857		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11204	Strand	-
Start	10463	End	10857
Name	OJ990402_02.9B05.C23.o3.gp	Method	AAT/GAP
Start	10463	End	10857
GI	none	Score	786
Exons	10463..10857		

Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11205	Strand	
Start	16889	End	17426
Name	OJ990402_02.9B05.C23.o1.tw	Method	TBLASTX:Wheat
Start	16889	End	17372
GI	none	Score	413

Exons	16889..17368, 16890..17372		
Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11205	Strand	
Start	16889	End	17426
Name	OJ990402_02.9B05.C23.o3.ts	Method	TBLASTX:Soybean
Start	16907	End	17240
GI	none	Score	233
Exons	16907..17239, 16926..17240		
Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11205	Strand	
Start	16889	End	17426
Name	OJ990402_02.9B05.C23.o2.tm	Method	TBLASTX:Maize
Start	16950	End	17426
GI	none	Score	516
Exons	16950..17426, 16953..17423, 16955..17425		
Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11205	Strand	
Start	16889	End	17426
Name	OJ990402_02.9B05.C23.o2.tc	Method	TBLASTX:Cress
Start	17007	End	17342
GI	none	Score	188
Exons	17007..17342		
Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11206	Strand	
Start	17355	End	17978
Name	OJ990402_02.9B05.C23.o1.ts	Method	TBLASTX:Soybean
Start	17355	End	17708
GI	none	Score	328
Exons	17355..17708, 17360..17701		
Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11206	Strand	
Start	17355	End	17978
Name	OJ990402_02.9B05.C23.o2.tw	Method	TBLASTX:Wheat
Start	17421	End	17783
GI	none	Score	294
Exons	17421..17783, 17474..17569, 17615..17722		
Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11206	Strand	
Start	17355	End	17978
Name	OJ990402_02.9B05.C23.o1.tm	Method	TBLASTX:Maize
Start	17445	End	17978
GI	none	Score	342
Exons	17445..17783, 17465..17773, 17777..17956, 17778..17978		
Seq. No.	5379	Seq. ID	OJ990402_02.9B05.C23
Gene No.	11207	Strand	
Start	17979	End	18152
Name	OJ990402_02.9B05.C23.o4.tm	Method	TBLASTX:Maize
Start	17979	End	18152
GI	none	Score	201
Exons	17979..18152, 17984..18148		

Seq. No.	5380	Seq. ID	OJ990402_02.9B05.C24
Gene No.	11208	Strand	+
Start	1	End	1562
Name	OJ990402_02.9B05.C24.o1.np	Method	AAT/NAP
Start	1	End	1562
GI	4581164	Score	456
Exons	1..842, 1474..1562		
GI Descrip.	(AC006220) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5380	Seq. ID	OJ990402_02.9B05.C24
Gene No.	11208	Strand	+
Start	1	End	1562
Name	OJ990402_02.9B05.C24.o1.tm	Method	TBLASTX:Maize
Start	62	End	401
GI	none	Score	374
Exons	62..397, 63..401		

Seq. No.	5380	Seq. ID	OJ990402_02.9B05.C24
Gene No.	11208	Strand	+
Start	1	End	1562
Name	OJ990402_02.9B05.C24.o1.tw	Method	TBLASTX:Wheat
Start	384	End	812
GI	none	Score	288
Exons	384..812, 545..808		

Seq. No.	5380	Seq. ID	OJ990402_02.9B05.C24
Gene No.	11208	Strand	+
Start	1	End	1562
Name	OJ990402_02.9B05.C24.o2.tm	Method	TBLASTX:Maize
Start	474	End	773
GI	none	Score	241
Exons	474..773		

Seq. No.	5381	Seq. ID	OJ990402_02.9B05.C25
Gene No.	11209	Strand	-
Start	1	End	482
Name	OJ990402_02.9B05.C25.o1.gp	Method	AAT/GAP
Start	1	End	482
GI	none	Score	948
Exons	1..482		

Seq. No.	5381	Seq. ID	OJ990402_02.9B05.C25
Gene No.	11209	Strand	-
Start	1	End	482
Name	OJ990402_02.9B05.C25.o1.gs	Method	GENSCAN
Start	22	End	441
GI	none	Score	1
Exons	22..441		

Seq. No.	5382	Seq. ID	OJ990402_02.9B05.C27
Gene No.	11210	Strand	+
Start	429	End	1070
Name	OJ990402_02.9B05.C27.o1.gs	Method	GENSCAN
Start	429	End	1070
GI	none	Score	.84

Exons	429..562, 617..903, 952..1070		
Seq. No.	5382	Seq. ID	OJ990402_02.9B05.C27
Gene No.	11211	Strand	-
Start	1391	End	1560
Name	OJ990402_02.9B05.C27.o1.tw	Method	TBLASTX:Wheat
Start	1355	End	1559
GI	none	Score	45
Exons	1355..1414, 1358..1414, 1362..1427, 1400..1558, 1403..1513, 1410..1559		
Seq. No.	5382	Seq. ID	OJ990402_02.9B05.C27
Gene No.	11211	Strand	-
Start	1391	End	1560
Name	OJ990402_02.9B05.C27.o1.np	Method	AAT/NAP
Start	1391	End	1560
GI	2443320	Score	232
Exons	1391..1560		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		
Seq. No.	5383	Seq. ID	OJ990402_02.9B05.C28
Gene No.	11212	Strand	-
Start	1	End	1216
Name	OJ990402_02.9B05.C28.o1.np	Method	AAT/NAP
Start	1	End	1216
GI	2443320	Score	1113
Exons	1..81, 286..1216		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		
Seq. No.	5383	Seq. ID	OJ990402_02.9B05.C28
Gene No.	11212	Strand	-
Start	1	End	1216
Name	OJ990402_02.9B05.C28.o2.tw	Method	TBLASTX:Wheat
Start	56	End	315
GI	none	Score	207
Exons	56..301, 60..302, 87..302, 256..315		
Seq. No.	5383	Seq. ID	OJ990402_02.9B05.C28
Gene No.	11212	Strand	-
Start	1	End	1216
Name	OJ990402_02.9B05.C28.o1.tw	Method	TBLASTX:Wheat
Start	364	End	841
GI	none	Score	121
Exons	364..594, 392..538, 402..548, 527..805, 592..804, 596..841		
Seq. No.	5384	Seq. ID	OJ990402_02.9B05.C30
Gene No.	11213	Strand	-
Start	1	End	246
Name	OJ990402_02.9B05.C30.o1.np	Method	AAT/NAP
Start	1	End	207
GI	5902448	Score	348
Exons	1..207		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		
Seq. No.	5384	Seq. ID	OJ990402_02.9B05.C30
Gene No.	11213	Strand	-
Start	1	End	246

Name	OJ990402_02.9B05.C30.o1.gs	Method	GENSCAN
Start	78	End	246
GI	none	Score	.99
Exons	78..246		

Seq. No.	5385	Seq. ID	OJ990402_02.9B05.C32
Gene No.	11214	Strand	-
Start	59	End	609
Name	OJ990402_02.9B05.C32.o1.gs	Method	GENSCAN
Start	59	End	609
GI	none	Score	.69
Exons	59..365, 412..609		

Seq. No.	5386	Seq. ID	OJ990402_02.9B05.C33
Gene No.	11215	Strand	+
Start	813	End	1596
Name	OJ990402_02.9B05.C33.o1.gs	Method	GENSCAN
Start	813	End	1165
GI	none	Score	.63
Exons	813..840, 1072..1165		

Seq. No.	5386	Seq. ID	OJ990402_02.9B05.C33
Gene No.	11215	Strand	+
Start	813	End	1596
Name	OJ990402_02.9B05.C33.o1.np	Method	AAT/NAP
Start	991	End	1596
GI	5042454	Score	187
Exons	991..1159, 1536..1596		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	5387	Seq. ID	OJ990402_02.9B05.C34
Gene No.	11216	Strand	+
Start	98	End	667
Name	OJ990402_02.9B05.C34.o1.np	Method	AAT/NAP
Start	98	End	667
GI	2443320	Score	527
Exons	98..667		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	5387	Seq. ID	OJ990402_02.9B05.C34
Gene No.	11216	Strand	+
Start	98	End	667
Name	OJ990402_02.9B05.C34.o1.gs	Method	GENSCAN
Start	347	End	488
GI	none	Score	.58
Exons	347..488		

Seq. No.	5388	Seq. ID	OJ990402_02.9B05.C35
Gene No.	11217	Strand	+
Start	1	End	601
Name	OJ990402_02.9B05.C35.o1.np	Method	AAT/NAP
Start	1	End	601
GI	4378066	Score	452
Exons	1..601		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	5388	Seq. ID	OJ990402_02.9B05.C35
Gene No.	11217	Strand	+
Start	1	End	601
Name	OJ990402_02.9B05.C35.o1.tw	Method	TBLASTX:Wheat
Start	122	End	539
GI	none	Score	54
Exons	122..166, 145..270, 174..224, 285..539		

Seq. No.	5388	Seq. ID	OJ990402_02.9B05.C35
Gene No.	11217	Strand	+
Start	1	End	601
Name	OJ990402_02.9B05.C35.o1.gs	Method	GENSCAN
Start	324	End	491
GI	none	Score	.74
Exons	324..491		

Seq. No.	5389	Seq. ID	OJ990402_02.9B05.C36
Gene No.	11218	Strand	-
Start	1	End	696
Name	OJ990402_02.9B05.C36.o1.np	Method	AAT/NAP
Start	1	End	696
GI	5921185	Score	323
Exons	1..696		
GI Descrip.	CYTOCHROME P450 76C1 gi|2979548|gb|AAC06157.1| (AC003680) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	5389	Seq. ID	OJ990402_02.9B05.C36
Gene No.	11218	Strand	-
Start	1	End	696
Name	OJ990402_02.9B05.C36.o1.tw	Method	TBLASTX:Wheat
Start	1	End	668
GI	none	Score	89
Exons	1..213, 8..193, 21..92, 109..225, 576..668		

Seq. No.	5389	Seq. ID	OJ990402_02.9B05.C36
Gene No.	11218	Strand	-
Start	1	End	696
Name	OJ990402_02.9B05.C36.o1.ts	Method	TBLASTX:Soybean
Start	1	End	459
GI	none	Score	96
Exons	1..228, 8..193, 298..459		

Seq. No.	5389	Seq. ID	OJ990402_02.9B05.C36
Gene No.	11218	Strand	-
Start	1	End	696
Name	OJ990402_02.9B05.C36.o1.tc	Method	TBLASTX:Cress
Start	4	End	546
GI	none	Score	129
Exons	4..228, 8..226, 289..459, 472..546		

Seq. No.	5389	Seq. ID	OJ990402_02.9B05.C36
Gene No.	11218	Strand	-
Start	1	End	696
Name	OJ990402_02.9B05.C36.o1.tm	Method	TBLASTX:Maize
Start	4	End	456
GI	none	Score	123

Exons	4..234, 8..310, 289..456		
Seq. No.	5389	Seq. ID	OJ990402_02.9B05.C36
Gene No.	11218	Strand	-
Start	1	End	696
Name	OJ990402_02.9B05.C36.o1.gs	Method	GENSCAN
Start	43	End	619
GI	none	Score	.76
Exons	43..619		
Seq. No.	5390	Seq. ID	OJ990402_02.9B05.C39
Gene No.	11219	Strand	-
Start	211	End	358
Name	OJ990402_02.9B05.C39.o1.np	Method	AAT/NAP
Start	211	End	358
GI	5042454	Score	97
Exons	211..358		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	5390	Seq. ID	OJ990402_02.9B05.C39
Gene No.	11220	Strand	-
Start	265	End	327
Name	OJ990402_02.9B05.C39.o1.gs	Method	GENSCAN
Start	265	End	327
GI	none	Score	.68
Exons	265..327		
Seq. No.	5391	Seq. ID	OJ990402_02.9B05.C42
Gene No.	11221	Strand	+
Start	1	End	342
Name	OJ990402_02.9B05.C42.o1.np	Method	AAT/NAP
Start	1	End	342
GI	4680180	Score	562
Exons	1..342		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	5391	Seq. ID	OJ990402_02.9B05.C42
Gene No.	11222	Strand	-
Start	282	End	333
Name	OJ990402_02.9B05.C42.o1.tw	Method	TBLASTX:Wheat
Start	1	End	329
GI	none	Score	264
Exons	1..297, 3..329		
Seq. No.	5391	Seq. ID	OJ990402_02.9B05.C42
Gene No.	11222	Strand	-
Start	282	End	333
Name	OJ990402_02.9B05.C42.o1.ts	Method	TBLASTX:Soybean
Start	4	End	288
GI	none	Score	182
Exons	4..288		
Seq. No.	5391	Seq. ID	OJ990402_02.9B05.C42
Gene No.	11222	Strand	-
Start	282	End	333
Name	OJ990402_02.9B05.C42.o1.tm	Method	TBLASTX:Maize
Start	39	End	329

GI	none	Score	241
Exons	39..242, 40..243, 53..244, 154..300, 246..329		

Seq. No.	5391	Seq. ID	OJ990402_02.9B05.C42
Gene No.	11222	Strand	-
Start	282	End	333
Name	OJ990402_02.9B05.C42.o1.gs	Method	GENSCAN
Start	282	End	333
GI	none	Score	.65
Exons	282..333		

Seq. No.	5392	Seq. ID	OJ990402_02.9B05.C43
Gene No.	11223	Strand	-
Start	1	End	470
Name	OJ990402_02.9B05.C43.o1.np	Method	AAT/NAP
Start	1	End	470
GI	6498441	Score	556
Exons	1..362, 423..470		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5392	Seq. ID	OJ990402_02.9B05.C43
Gene No.	11223	Strand	-
Start	1	End	470
Name	OJ990402_02.9B05.C43.o1.gs	Method	GENSCAN
Start	8	End	439
GI	none	Score	.6
Exons	8..439		

Seq. No.	5392	Seq. ID	OJ990402_02.9B05.C43
Gene No.	11223	Strand	-
Start	1	End	470
Name	OJ990402_02.9B05.C43.o1.tm	Method	TBLASTX:Maize
Start	149	End	470
GI	none	Score	116
Exons	149..229, 248..469, 255..470		

Seq. No.	5392	Seq. ID	OJ990402_02.9B05.C43
Gene No.	11223	Strand	-
Start	1	End	470
Name	OJ990402_02.9B05.C43.o1.tw	Method	TBLASTX:Wheat
Start	149	End	470
GI	none	Score	81
Exons	149..469, 342..470		

Seq. No.	5393	Seq. ID	OJ990402_02.9B05.C44
Gene No.	11224	Strand	+
Start	682	End	819
Name	OJ990402_02.9B05.C44.o1.gs	Method	GENSCAN
Start	682	End	819
GI	none	Score	.48
Exons	682..819		

Seq. No.	5394	Seq. ID	OJ990402_02.9B05.C45
Gene No.	11225	Strand	+
Start	924	End	1338

Name	OJ990402_02.9B05.C45.o1.gs	Method	GENSCAN
Start	924	End	1338
GI	none	Score	.75
Exons	924..1338		

Seq. No.	5395	Seq. ID	OJ990402_02.9B05.C46
Gene No.	11226	Strand	+
Start	91	End	213
Name	OJ990402_02.9B05.C46.o1.gs	Method	GENSCAN
Start	91	End	213
GI	none	Score	.71
Exons	91..213		

Seq. No.	5396	Seq. ID	OJ990402_02.9B05.C48
Gene No.	11227	Strand	+
Start	1	End	604
Name	OJ990402_02.9B05.C48.o1.np	Method	AAT/NAP
Start	1	End	604
GI	6721562	Score	871
Exons	1..604		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	5396	Seq. ID	OJ990402_02.9B05.C48
Gene No.	11227	Strand	+
Start	1	End	604
Name	OJ990402_02.9B05.C48.o1.gs	Method	GENSCAN
Start	1	End	578
GI	none	Score	.58
Exons	1..134, 201..292, 298..578		

Seq. No.	5397	Seq. ID	OJ990402_02.9B05.C49
Gene No.	11228	Strand	-
Start	1	End	1594
Name	OJ990402_02.9B05.C49.o1.np	Method	AAT/NAP
Start	1	End	1594
GI	4206306	Score	1230
Exons	1..1594		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	5397	Seq. ID	OJ990402_02.9B05.C49
Gene No.	11228	Strand	-
Start	1	End	1594
Name	OJ990402_02.9B05.C49.o1.ts	Method	TBLASTX:Soybean
Start	20	End	394
GI	none	Score	66
Exons	20..244, 254..394		

Seq. No.	5397	Seq. ID	OJ990402_02.9B05.C49
Gene No.	11228	Strand	-
Start	1	End	1594
Name	OJ990402_02.9B05.C49.o1.tm	Method	TBLASTX:Maize
Start	38	End	397
GI	none	Score	111

Exons	38..397, 44..202, 45..305		
Seq. No.	5397	Seq. ID	OJ990402_02.9B05.C49
Gene No.	11228	Strand	-
Start	1	End	1594
Name	OJ990402_02.9B05.C49.o2.tw	Method	TBLASTX:Wheat
Start	167	End	556
GI	none	Score	220
Exons	167..556		
Seq. No.	5397	Seq. ID	OJ990402_02.9B05.C49
Gene No.	11228	Strand	-
Start	1	End	1594
Name	OJ990402_02.9B05.C49.o2.tm	Method	TBLASTX:Maize
Start	398	End	667
GI	none	Score	63
Exons	398..538, 398..667		
Seq. No.	5397	Seq. ID	OJ990402_02.9B05.C49
Gene No.	11228	Strand	-
Start	1	End	1594
Name	OJ990402_02.9B05.C49.o1.tw	Method	TBLASTX:Wheat
Start	907	End	1297
GI	none	Score	157
Exons	907..1296, 950..1297		
Seq. No.	5397	Seq. ID	OJ990402_02.9B05.C49
Gene No.	11228	Strand	-
Start	1	End	1594
Name	OJ990402_02.9B05.C49.o3.tw	Method	TBLASTX:Wheat
Start	1297	End	1506
GI	none	Score	89
Exons	1297..1503, 1351..1506		
Seq. No.	5398	Seq. ID	OJ990402_02.9B05.C50
Gene No.	11229	Strand	-
Start	1	End	292
Name	OJ990402_02.9B05.C50.o1.np	Method	AAT/NAP
Start	1	End	292
GI	4206306	Score	326
Exons	1..292		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	5398	Seq. ID	OJ990402_02.9B05.C50
Gene No.	11229	Strand	-
Start	1	End	292
Name	OJ990402_02.9B05.C50.o1.tm	Method	TBLASTX:Maize
Start	2	End	269
GI	none	Score	100
Exons	2..226, 2..268, 9..269		
Seq. No.	5398	Seq. ID	OJ990402_02.9B05.C50
Gene No.	11229	Strand	-
Start	1	End	292
Name	OJ990402_02.9B05.C50.o1.tw	Method	TBLASTX:Wheat
Start	2	End	291
GI	none	Score	121

Exons	2..226, 2..289, 3..290, 46..291, 68..154		
Seq. No.	5398	Seq. ID	OJ990402_02.9B05.C50
Gene No.	11229	Strand	-
Start	1	End	292
Name	OJ990402_02.9B05.C50.o1.gs	Method	GENSCAN
Start	95	End	259
GI	none	Score	.86
Exons	95..259		
Seq. No.	5399	Seq. ID	OJ990402_02.9B05.C53
Gene No.	11230	Strand	+
Start	146	End	321
Name	OJ990402_02.9B05.C53.o1.gs	Method	GENSCAN
Start	146	End	321
GI	none	Score	.86
Exons	146..321		
Seq. No.	5399	Seq. ID	OJ990402_02.9B05.C53
Gene No.	11231	Strand	-
Start	1	End	367
Name	OJ990402_02.9B05.C53.o1.np	Method	AAT/NAP
Start	1	End	367
GI	6691716	Score	263
Exons	1..154, 230..367		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6691717|dbj|BAA89397.1| (AP000570) hypothetical protein [Oryza sativa]		
Seq. No.	5400	Seq. ID	OJ990402_02.9B05.C57
Gene No.	11232	Strand	-
Start	66	End	746
Name	OJ990402_02.9B05.C57.o1.gs	Method	GENSCAN
Start	66	End	746
GI	none	Score	.83
Exons	66..251, 329..421, 505..583, 671..746		
Seq. No.	5401	Seq. ID	OJ990402_02.9B05.C58
Gene No.	11233	Strand	+
Start	24	End	303
Name	OJ990402_02.9B05.C58.o1.gs	Method	GENSCAN
Start	24	End	303
GI	none	Score	.52
Exons	24..99, 107..303		
Seq. No.	5402	Seq. ID	OJ990402_02.9B05.C61
Gene No.	11234	Strand	-
Start	1	End	509
Name	OJ990402_02.9B05.C61.o1.np	Method	AAT/NAP
Start	1	End	509
GI	5902444	Score	853
Exons	1..509		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	5402	Seq. ID	OJ990402_02.9B05.C61
Gene No.	11234	Strand	-
Start	1	End	509

Name	OJ990402_02.9B05.C61.o1.gs	Method	GENSCAN
Start	70	End	423
GI	none	Score	.65
Exons	70..423		

Seq. No.	5402	Seq. ID	OJ990402_02.9B05.C61
Gene No.	11234	Strand	-
Start	1	End	509
Name	OJ990402_02.9B05.C61.o1.tw	Method	TBLASTX:Wheat
Start	119	End	487
GI	none	Score	210
Exons	119..487		

Seq. No.	5403	Seq. ID	OJ990402_02.9B05.C62
Gene No.	11235	Strand	-
Start	320	End	426
Name	OJ990402_02.9B05.C62.o1.gs	Method	GENSCAN
Start	320	End	426
GI	none	Score	.61
Exons	320..426		

Seq. No.	5404	Seq. ID	OJ990402_02.9B05.C63
Gene No.	11236	Strand	-
Start	1	End	257
Name	OJ990402_02.9B05.C63.o1.np	Method	AAT/NAP
Start	1	End	257
GI	5042454	Score	81
Exons	1..103, 163..257		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	5404	Seq. ID	OJ990402_02.9B05.C63
Gene No.	11236	Strand	-
Start	1	End	257
Name	OJ990402_02.9B05.C63.o1.gs	Method	GENSCAN
Start	97	End	204
GI	none	Score	.76
Exons	97..204		

Seq. No.	5404	Seq. ID	OJ990402_02.9B05.C63
Gene No.	11236	Strand	-
Start	1	End	257
Name	OJ990402_02.9B05.C63.o2.np	Method	AAT/NAP
Start	151	End	257
GI	5042454	Score	79
Exons	151..257		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	5405	Seq. ID	OJ990402_02.9B05.C64
Gene No.	11237	Strand	+
Start	1	End	219
Name	OJ990402_02.9B05.C64.o1.np	Method	AAT/NAP
Start	1	End	219
GI	6907106	Score	272
Exons	1..219		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5405	Seq. ID	OJ990402_02.9B05.C64
Gene No.	11238	Strand	-
Start	58	End	200
Name	OJ990402_02.9B05.C64.o1.gs	Method	GENSCAN
Start	58	End	200
GI	none	Score	.41
Exons	58..200		

Seq. No.	5406	Seq. ID	OJ990402_02.9B05.C66
Gene No.	11239	Strand	-
Start	140	End	442
Name	OJ990402_02.9B05.C66.o1.gs	Method	GENSCAN
Start	140	End	442
GI	none	Score	.94
Exons	140..442		

Seq. No.	5407	Seq. ID	OJ990402_02.9B05.C67
Gene No.	11240	Strand	-
Start	30	End	591
Name	OJ990402_02.9B05.C67.o1.gs	Method	GENSCAN
Start	30	End	591
GI	none	Score	.84
Exons	30..110, 250..591		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11241	Strand	+
Start	499	End	698
Name	OJ990402_02.9B05.C70.o1.gs	Method	GENSCAN
Start	499	End	698
GI	none	Score	.93
Exons	499..698		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11242	Strand	+
Start	5784	End	9794
Name	OJ990402_02.9B05.C70.o3.gs	Method	GENSCAN
Start	5784	End	9794
GI	none	Score	.76
Exons	5784..6492, 6530..6857, 7251..9415, 9703..9794		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11243	Strand	+
Start	12955	End	13265
Name	OJ990402_02.9B05.C70.o1.gp	Method	AAT/GAP
Start	12955	End	13265
GI	5667598	Score	433
Exons	12955..13184, 13228..13265		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11244	Strand	-
Start	10434	End	15087
Name	OJ990402_02.9B05.C70.o2.tw	Method	TBLASTX:Wheat
Start	2578	End	3006
GI	none	Score	89
Exons	2578..2694, 2710..2916, 2899..3006		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70

Gene No.	11244	Strand	-
Start	10434	End	15087
Name	OJ990402_02.9B05.C70.o2.tc	Method	TBLASTX:Cress
Start	2725	End	3033
GI	none	Score	188
Exons	2725..3033		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11244	Strand	-
Start	10434	End	15087
Name	OJ990402_02.9B05.C70.o2.np	Method	AAT/NAP
Start	10317	End	15087
GI	5002525	Score	392
Exons	10317..10546, 10667..10865, 10977..11205, 11443..11515, 11564..11710, 11974..12033, 15052..15087		
GI Descrip.	(AL078606) KI domain interacting kinase 1-like protein [Arabidopsis thaliana]		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11244	Strand	-
Start	10434	End	15087
Name	OJ990402_02.9B05.C70.o1.tm	Method	TBLASTX:Maize
Start	10431	End	11209
GI	none	Score	90
Exons	10431..10571, 10760..10864, 10770..10868, 10977..11078, 10982..11209, 11006..11191, 11136..11195		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11244	Strand	-
Start	10434	End	15087
Name	OJ990402_02.9B05.C70.o4.gs	Method	GENSCAN
Start	10434	End	12081
GI	none	Score	.98
Exons	10434..10601, 10715..10865, 10977..11208, 11452..11710, 11974..12081		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11244	Strand	-
Start	10434	End	15087
Name	OJ990402_02.9B05.C70.o1.tc	Method	TBLASTX:Cress
Start	10437	End	12045
GI	none	Score	68
Exons	10437..10529, 10760..10861, 10761..10859, 10982..11206, 11010..11084, 11453..11518, 11546..11713, 11562..11711, 11974..12045		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11244	Strand	-
Start	10434	End	15087
Name	OJ990402_02.9B05.C70.o1.tw	Method	TBLASTX:Wheat
Start	10745	End	11714
GI	none	Score	156
Exons	10745..10864, 10746..10865, 10979..11137, 10983..11084, 10985..11119, 11130..11192, 11131..11187, 11132..11200, 11452..11628, 11453..11647, 11454..11648, 11651..11713, 11652..11714		

Seq. No.	5408	Seq. ID	OJ990402_02.9B05.C70
Gene No.	11244	Strand	-
Start	10434	End	15087
Name	OJ990402_02.9B05.C70.o1.ts	Method	TBLASTX:Soybean
Start	10760	End	11713
GI	none	Score	86
Exons	10760..10864, 10761..10883, 10982..11224, 10983..11084, 11546..11713		

Seq. No.	5409	Seq. ID	OJ990712_09.9B05.C1
Gene No.	11245	Strand	+
Start	1	End	682
Name	OJ990712_09.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	682
GI	5091513	Score	818
Exons	1..682		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5409	Seq. ID	OJ990712_09.9B05.C1
Gene No.	11245	Strand	+
Start	1	End	682
Name	OJ990712_09.9B05.C1.o1.gs	Method	GENSCAN
Start	86	End	669
GI	none	Score	.66
Exons	86..669		

Seq. No.	5410	Seq. ID	OJ990712_09.9B05.C2
Gene No.	11246	Strand	+
Start	174	End	324
Name	OJ990712_09.9B05.C2.o1.gs	Method	GENSCAN
Start	174	End	324
GI	none	Score	.48
Exons	174..324		

Seq. No.	5411	Seq. ID	OJ990712_09.9B05.C3
Gene No.	11247	Strand	+
Start	1095	End	1306
Name	OJ990712_09.9B05.C3.o1.gp	Method	AAT/GAP
Start	1095	End	1306
GI	none	Score	396
Exons	1095..1306		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11248	Strand	+
Start	3916	End	17688
Name	OJ990712_09.9B05.C4.o2.gs	Method	GENSCAN
Start	3916	End	13760
GI	none	Score	.67
Exons	3916..3985, 4698..4728, 5056..5104, 5312..5518, 7294..7346, 7834..7900, 8404..8482, 8780..8908, 9895..10100, 11016..11370, 12482..12616, 13639..13760		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11248	Strand	+
Start	3916	End	17688
Name	OJ990712_09.9B05.C4.o2.gp	Method	AAT/GAP
Start	9347	End	9512

GI	23897_1.R1084	Score	227
Exons	9347..9512		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 5.0e-58 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11248	Strand	+
Start	3916	End	17688
Name	OJ990712_09.9B05.C4.o3.gp	Method	AAT/GAP
Start	9694	End	11237
GI	23880_2.R1084	Score	834
Exons	9694..9801, 9895..10100, 11016..11237		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11248	Strand	+
Start	3916	End	17688
Name	OJ990712_09.9B05.C4.o2.np	Method	AAT/NAP
Start	11328	End	17688
GI	6166392	Score	150
Exons	11328..11370, 12482..12616, 12759..12809, 13093..13165, 17637..17688		
GI Descrip.	(AF169803) flavohemoprotein b5+b5R [Homo sapiens]		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11248	Strand	+
Start	3916	End	17688
Name	OJ990712_09.9B05.C4.o4.gp	Method	AAT/GAP
Start	12539	End	13530
GI	3762892	Score	1032
Exons	12539..12616, 12759..12809, 13093..13530		
GI Descrip.	3881161/emb|CAA21721.1| 5.0e-10 (AL032654) similar to Heme-binding domain in cytochrome b5 and oxidoreductases [Caenorhabditis elegans]		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11248	Strand	+
Start	3916	End	17688
Name	OJ990712_09.9B05.C4.o3.gs	Method	GENSCAN
Start	14695	End	15927
GI	none	Score	.52
Exons	14695..14821, 15788..15927		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11249	Strand	+
Start	19418	End	22899
Name	OJ990712_09.9B05.C4.o5.gs	Method	GENSCAN
Start	19418	End	21395
GI	none	Score	.6
Exons	19418..19500, 19701..19865, 19870..20042, 20072..21131, 21248..21395		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11249	Strand	+
Start	19418	End	22899
Name	OJ990712_09.9B05.C4.o5.gp	Method	AAT/GAP

Start	19434	End	19873
GI	4107129	Score	756
Exons	19434..19873		
GI Descrip.	1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11249	Strand	+
Start	19418	End	22899
Name	OJ990712_09.9B05.C4.o3.np	Method	AAT/NAP
Start	20386	End	22899
GI	6630696	Score	3725
Exons	20386..22899		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11250	Strand	-
Start	1	End	8164
Name	OJ990712_09.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	8164
GI	6721516	Score	363
Exons	1..41, 1886..2054, 7437..7513, 7924..8164		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11250	Strand	-
Start	1	End	8164
Name	OJ990712_09.9B05.C4.o1.gs	Method	GENSCAN
Start	1137	End	2267
GI	none	Score	.76
Exons	1137..1656, 1918..2267		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11250	Strand	-
Start	1	End	8164
Name	OJ990712_09.9B05.C4.o1.gp	Method	AAT/GAP
Start	3200	End	4032
GI	none	Score	423
Exons	3200..3246, 3622..3731, 3944..4032		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11251	Strand	-
Start	16712	End	18500
Name	OJ990712_09.9B05.C4.o4.tm	Method	TBLASTX:Maize
Start	6437	End	7138
GI	none	Score	81
Exons	6437..6595, 6438..6581, 6450..6662, 6468..6650, 6470..6592, 6471..6626, 6471..6623, 6488..6670, 6493..6681, 6524..6550, 6569..6592, 6576..6677, 6577..6681, 6671..6769, 6676..6801, 6680..6763, 6680..6742, 6682..6801, 6687..6857, 6691..6807, 6691..6825, 6716..6808, 6723..6809, 6723..6857, 6723..6806, 6817..6939, 6839..6949, 6840..6950, 6853..6948, 6864..6944, 6869..6958, 6876..6950, 6878..6949, 6884..6970, 6884..6958, 6891..6950, 6948..6980, 7030..7104, 7030..7104, 7031..7105, 7031..7138, 7034..7105, 7035..7103, 7041..7103, 7042..7104,		

7046..7114

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11251	Strand	-
Start	16712	End	18500
Name	OJ990712_09.9B05.C4.o5.tm	Method	TBLASTX:Maize
Start	11278	End	12978
GI	none	Score	70
Exons	11278..11364, 11285..11371, 11296..11364, 11307..11372, 12482..12505, 12489..12617, 12490..12618, 12554..12625, 12735..12827, 12752..12832, 12753..12857, 12907..12978		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11251	Strand	-
Start	16712	End	18500
Name	OJ990712_09.9B05.C4.o4.gs	Method	GENSCAN
Start	16712	End	18500
GI	none	Score	.53
Exons	16712..16957, 17811..17957, 18023..18162, 18257..18397, 18497..18500		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11252	Strand	
Start	20287	End	20736
Name	OJ990712_09.9B05.C4.o2.tw	Method	TBLASTX:Wheat
Start	20287	End	20677
GI	none	Score	117
Exons	20287..20415, 20298..20378, 20455..20676, 20457..20654, 20467..20676, 20495..20677		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11252	Strand	
Start	20287	End	20736
Name	OJ990712_09.9B05.C4.o3.tm	Method	TBLASTX:Maize
Start	20452	End	20736
GI	none	Score	270
Exons	20452..20736, 20475..20651		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11253	Strand	
Start	21223	End	21627
Name	OJ990712_09.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	21223	End	21627
GI	none	Score	370
Exons	21223..21567, 21246..21524, 21247..21546, 21565..21627		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11254	Strand	
Start	21577	End	22774
Name	OJ990712_09.9B05.C4.o2.ts	Method	TBLASTX:Soybean
Start	21577	End	21951
GI	none	Score	77
Exons	21577..21726, 21709..21951		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11254	Strand	
Start	21577	End	22774

Name	OJ990712_09.9B05.C4.o2.tm	Method	TBLASTX:Maize
Start	21715	End	22179
GI	none	Score	297
Exons	21715..22179, 21996..22106		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11254	Strand	
Start	21577	End	22774
Name	OJ990712_09.9B05.C4.o3.tw	Method	TBLASTX:Wheat
Start	21822	End	22014
GI	none	Score	260
Exons	21822..22013, 21823..22014		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11254	Strand	
Start	21577	End	22774
Name	OJ990712_09.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	21967	End	22365
GI	none	Score	201
Exons	21967..22188, 21969..22187, 22192..22365		

Seq. No.	5412	Seq. ID	OJ990712_09.9B05.C4
Gene No.	11254	Strand	
Start	21577	End	22774
Name	OJ990712_09.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	22015	End	22774
GI	none	Score	801
Exons	22015..22704, 22023..22520, 22237..22566, 22289..22651, 22587..22703, 22702..22770, 22703..22774		

Seq. No.	5413	Seq. ID	OJ990712_09.9B05.C5
Gene No.	11255	Strand	+
Start	424	End	489
Name	OJ990712_09.9B05.C5.o1.gs	Method	GENSCAN
Start	424	End	489
GI	none	Score	.72
Exons	424..489		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11256	Strand	+
Start	8	End	9696
Name	OJ990712_09.9B05.C6.o1.gs	Method	GENSCAN
Start	8	End	9696
GI	none	Score	.67
Exons	8..64, 145..511, 582..662, 770..931, 3619..3994, 4155..4308, 4390..4641, 4981..5461, 5917..6051, 6106..6272, 7427..7702, 7780..7910, 8636..8750, 8819..8908, 9340..9417, 9673..9696		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11256	Strand	+
Start	8	End	9696
Name	OJ990712_09.9B05.C6.o1.np	Method	AAT/NAP
Start	4110	End	6413
GI	1546704	Score	140
Exons	4110..4308, 4390..4525, 6377..6413		
GI Descrip.	(X98854) peroxidase ATP7a [Arabidopsis thaliana]		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11256	Strand	+
Start	8	End	9696
Name	OJ990712_09.9B05.C6.o2.gp	Method	AAT/GAP
Start	5233	End	6267
GI	none	Score	907
Exons	5233..5461, 5917..6051, 6136..6267		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11257	Strand	-
Start	4378	End	4500
Name	OJ990712_09.9B05.C6.o1.gp	Method	AAT/GAP
Start	4378	End	4500
GI	2800190	Score	180
Exons	4378..4500		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11258	Strand	-
Start	10932	End	12493
Name	OJ990712_09.9B05.C6.o1.tw	Method	TBLASTX:Wheat
Start	4147	End	4509
GI	none	Score	86
Exons	4147..4245, 4148..4255, 4183..4269, 4184..4255, 4249..4308, 4251..4310, 4254..4307, 4374..4508, 4375..4509		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11258	Strand	-
Start	10932	End	12493
Name	OJ990712_09.9B05.C6.o2.gs	Method	GENSCAN
Start	10932	End	12493
GI	none	Score	.95
Exons	10932..11574, 11649..12493		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11258	Strand	-
Start	10932	End	12493
Name	OJ990712_09.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	10935	End	11127
GI	none	Score	44
Exons	10935..11018, 10941..11126, 11011..11127		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11258	Strand	-
Start	10932	End	12493
Name	OJ990712_09.9B05.C6.o2.np	Method	AAT/NAP
Start	10938	End	12220
GI	4586055	Score	995
Exons	10938..11574, 11649..12220		
GI Descrip.	(AC007020) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11258	Strand	-
Start	10932	End	12493
Name	OJ990712_09.9B05.C6.o1.tc	Method	TBLASTX:Cress
Start	10941	End	11238
GI	none	Score	131
Exons	10941..11237, 11011..11238		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11258	Strand	-
Start	10932	End	12493
Name	OJ990712_09.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	11157	End	11716
GI	none	Score	137
Exons	11157..11366, 11164..11373, 11379..11576, 11386..11577, 11646..11708, 11648..11716		

Seq. No.	5414	Seq. ID	OJ990712_09.9B05.C6
Gene No.	11258	Strand	-
Start	10932	End	12493
Name	OJ990712_09.9B05.C6.o2.tc	Method	TBLASTX:Cress
Start	11379	End	11834
GI	none	Score	117
Exons	11379..11576, 11395..11577, 11645..11833, 11649..11834		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11259	Strand	+
Start	14717	End	15703
Name	OJ990712_09.9B05.C7.o4.np	Method	AAT/NAP
Start	14717	End	15703
GI	5091512	Score	690
Exons	14717..14886, 14928..15059, 15196..15256, 15345..15703		
GI Descrip.	(AB023482) Similar to Plasmodium vivax circumsporozoite protein gene, complete cds.(M11926) [Oryza sativa]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11260	Strand	+
Start	19606	End	19739
Name	OJ990712_09.9B05.C7.o5.np	Method	AAT/NAP
Start	19606	End	19739
GI	5922620	Score	169
Exons	19606..19739		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11261	Strand	+
Start	20018	End	23126
Name	OJ990712_09.9B05.C7.o7.np	Method	AAT/NAP
Start	20018	End	23126
GI	5922620	Score	489
Exons	20018..20061, 20489..20638, 21123..21297, 21345..21521, 21558..21642, 22996..23126		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11262	Strand	+

Start	26297	End	33444
Name	OJ990712_09.9B05.C7.o9.np	Method	AAT/NAP
Start	26297	End	32795
GI	5091513	Score	1682
Exons	26297..26341, 27291..28254, 28967..29780, 30768..31027, 32723..32795		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11262	Strand	+
Start	26297	End	33444
Name	OJ990712_09.9B05.C7.o10.gs	Method	GENSCAN
Start	27206	End	30147
GI	none	Score	.59
Exons	27206..27484, 27503..27691, 27710..27890, 28064..28306, 28974..29204, 29287..29648, 29736..29880, 29885..30147		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11262	Strand	+
Start	26297	End	33444
Name	OJ990712_09.9B05.C7.o12.gs	Method	GENSCAN
Start	32380	End	33444
GI	none	Score	.44
Exons	32380..32401, 32867..33265, 33389..33444		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11263	Strand	+
Start	35304	End	35607
Name	OJ990712_09.9B05.C7.o6.gp	Method	AAT/GAP
Start	35304	End	35607
GI	72524_1.R1084	Score	409
Exons	35304..35607		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11263	Strand	+
Start	35304	End	35607
Name	OJ990712_09.9B05.C7.o7.gp	Method	AAT/GAP
Start	35502	End	35607
GI	5816518	Score	154
Exons	35502..35607		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11264	Strand	+
Start	44278	End	47245
Name	OJ990712_09.9B05.C7.o10.gp	Method	AAT/GAP
Start	44225	End	45289
GI	15939_1.R1084	Score	795
Exons	44225..44550, 45188..45289		
GI Descrip.	'4263818/gb|AAD15461| 1.0e-16 (AC006067) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11264	Strand	+

Start	44278	End	47245
Name	OJ990712_09.9B05.C7.o14.gs	Method	GENSCAN
Start	44278	End	47245
GI	none	Score	.58
Exons	44278..44550, 45188..45418, 47051..47245		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11264	Strand	+
Start	44278	End	47245
Name	OJ990712_09.9B05.C7.o11.np	Method	AAT/NAP
Start	44341	End	45648
GI	6671930	Score	371
Exons	44341..44550, 45293..45418, 45508..45648		
GI Descrip.	(AC016795) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11265	Strand	+
Start	54849	End	55025
Name	OJ990712_09.9B05.C7.o11.gp	Method	AAT/GAP
Start	54849	End	55025
GI	12651_1.R1084	Score	260
Exons	54849..55025		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-30 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11266	Strand	+
Start	58335	End	64555
Name	OJ990712_09.9B05.C7.o17.gs	Method	GENSCAN
Start	58335	End	64020
GI	none	Score	.57
Exons	58335..58383, 59613..60926, 61470..61798, 62031..63426, 63508..63666, 63748..63897, 63935..64020		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11266	Strand	+
Start	58335	End	64555
Name	OJ990712_09.9B05.C7.o12.np	Method	AAT/NAP
Start	62028	End	64555
GI	3645899	Score	1024
Exons	62028..64555		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11267	Strand	-
Start	2064	End	3449
Name	OJ990712_09.9B05.C7.o1.gs	Method	GENSCAN
Start	2064	End	3449
GI	none	Score	.71
Exons	2064..2444, 2500..2786, 3191..3305, 3360..3449		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11268	Strand	-
Start	5241	End	5987
Name	OJ990712_09.9B05.C7.o2.gs	Method	GENSCAN
Start	5241	End	5987
GI	none	Score	.98

Exons	5241..5987		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11269	Strand	-
Start	6896	End	10181
Name	OJ990712_09.9B05.C7.o3.gs	Method	GENSCAN
Start	6896	End	10181
GI	none	Score	.88
Exons	6896..7288, 7558..7906, 8554..8690, 8961..9284, 10125..10181		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11269	Strand	-
Start	6896	End	10181
Name	OJ990712_09.9B05.C7.o1.np	Method	AAT/NAP
Start	6899	End	9381
GI	6671946	Score	977
Exons	6899..7288, 7558..8202, 8961..9137, 9313..9381		
GI Descrip.	(AC016795) putative amino acid transporter protein [Arabidopsis thaliana]		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11269	Strand	-
Start	6896	End	10181
Name	OJ990712_09.9B05.C7.o1.gp	Method	AAT/GAP
Start	7112	End	7817
GI	uC-osflcyp156g07b1	Score	842
Exons	7112..7288, 7558..7817		
GI Descrip.	'2576363 6.0e-29 (U39783) amino acid transport protein [Arabidopsis thaliana]'		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11270	Strand	-
Start	12168	End	17789
Name	OJ990712_09.9B05.C7.o2.np	Method	AAT/NAP
Start	12130	End	16831
GI	5091513	Score	1666
Exons	12130..12266, 13189..14022, 14636..14795, 14837..15774, 16719..16831		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11270	Strand	-
Start	12168	End	17789
Name	OJ990712_09.9B05.C7.o4.gs	Method	GENSCAN
Start	12168	End	12512
GI	none	Score	.7
Exons	12168..12512		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11270	Strand	-
Start	12168	End	17789
Name	OJ990712_09.9B05.C7.o3.np	Method	AAT/NAP
Start	12869	End	17670
GI	5091513	Score	1600
Exons	12869..12966, 13139..14022, 14636..14795, 14837..15754, 17645..17670		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11270	Strand	-
Start	12168	End	17789
Name	OJ990712_09.9B05.C7.o5.gs	Method	GENSCAN
Start	13085	End	13984
GI	none	Score	.58
Exons	13085..13306, 13464..13827, 13914..13984		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11270	Strand	-
Start	12168	End	17789
Name	OJ990712_09.9B05.C7.o6.gs	Method	GENSCAN
Start	14820	End	15791
GI	none	Score	.8
Exons	14820..15791		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11270	Strand	-
Start	12168	End	17789
Name	OJ990712_09.9B05.C7.o2.gp	Method	AAT/GAP
Start	16857	End	17789
GI	72524_1.R1084	Score	417
Exons	16857..17171, 17739..17789		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11271	Strand	-
Start	19879	End	19962
Name	OJ990712_09.9B05.C7.o6.np	Method	AAT/NAP
Start	19879	End	19962
GI	6630699	Score	86
Exons	19879..19962		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11272	Strand	-
Start	23266	End	23354
Name	OJ990712_09.9B05.C7.o8.np	Method	AAT/NAP
Start	23266	End	23354
GI	6630699	Score	89
Exons	23266..23354		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11273	Strand	-
Start	28182	End	28453
Name	OJ990712_09.9B05.C7.o4.gp	Method	AAT/GAP
Start	28182	End	28453
GI	uC-osflcyp053f07a1	Score	340
Exons	28182..28453		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-38 Oryza sativa genomic		

DNA, chromosome 6, clone P0680A03, complete sequence'

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11274	Strand	-
Start	32370	End	32674
Name	OJ990712_09.9B05.C7.o5.gp	Method	AAT/GAP
Start	32370	End	32674
GI	72524_1.R1084	Score	442
Exons	32370..32674		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11275	Strand	-
Start	37220	End	42887
Name	OJ990712_09.9B05.C7.o13.gs	Method	GENSCAN
Start	37220	End	42887
GI	none	Score	.57
Exons	37220..37546, 37670..37781, 37801..38104, 38159..38297, 38474..38786, 38810..38944, 39572..40497, 40789..40913, 41193..41253, 42687..42887		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11275	Strand	-
Start	37220	End	42887
Name	OJ990712_09.9B05.C7.o10.np	Method	AAT/NAP
Start	37222	End	40598
GI	5091513	Score	1745
Exons	37222..37288, 38007..38867, 39602..40598		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11275	Strand	-
Start	37220	End	42887
Name	OJ990712_09.9B05.C7.o8.gp	Method	AAT/GAP
Start	41341	End	41646
GI	72524_1.R1084	Score	402
Exons	41341..41646		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11275	Strand	-
Start	37220	End	42887
Name	OJ990712_09.9B05.C7.o9.gp	Method	AAT/GAP
Start	41538	End	41649
GI	5816518	Score	138
Exons	41538..41649		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11276	Strand	-
Start	49541	End	50062
Name	OJ990712_09.9B05.C7.o15.gs	Method	GENSCAN
Start	49541	End	50062
GI	none	Score	.87

Exons	49541..50062		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11277	Strand	-
Start	51894	End	55995
Name	OJ990712_09.9B05.C7.o16.gs	Method	GENSCAN
Start	51894	End	55995
GI	none	Score	.73
Exons	51894..51930, 53295..53502, 54431..54662, 55990..55995		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	6873	End	8202
GI	none	Score	168
Exons	6873..7112, 6884..7111, 6974..7114, 7115..7291, 7116..7289, 7138..7290, 7537..8202, 7556..8152, 7557..8198		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	6974	End	9113
GI	none	Score	76
Exons	6974..7150, 6981..7100, 7208..7291, 7209..7286, 7543..7797, 7562..7627, 7638..7685, 7715..7792, 7843..8181, 7856..8137, 8035..8193, 8952..9047, 8952..9113, 8962..9102		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o4.ts	Method	TBLASTX:Soybean
Start	6974	End	7292
GI	none	Score	97
Exons	6974..7168, 6993..7169, 7208..7291, 7221..7292		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o6.ts	Method	TBLASTX:Soybean
Start	8011	End	9104
GI	none	Score	115
Exons	8011..8181, 8012..8143, 8014..8145, 8163..8198, 8952..9104, 8956..9102		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o5.tm	Method	TBLASTX:Maize
Start	8949	End	9114
GI	none	Score	134
Exons	8949..9098, 8949..9113, 8956..9114		
Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178

Name	OJ990712_09.9B05.C7.o5.ts	Method	TBLASTX:Soybean
Start	44329	End	44553
GI	none	Score	217
Exons	44329..44553, 44346..44552		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o4.tm	Method	TBLASTX:Maize
Start	44338	End	45291
GI	none	Score	279
Exons	44338..44559, 44340..44558, 45185..45286, 45185..45247, 45190..45285, 45196..45291		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o2.tc	Method	TBLASTX:Cress
Start	44343	End	47218
GI	none	Score	186
Exons	44343..44468, 44344..44559, 45185..45286, 45187..45309, 45266..45421, 45289..45414, 45505..45636, 45519..45626, 47102..47218		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o2.ts	Method	TBLASTX:Soybean
Start	45185	End	47182
GI	none	Score	98
Exons	45185..45283, 45187..45309, 45266..45421, 45301..45414, 45505..45663, 45519..45644, 47099..47182		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o6.tm	Method	TBLASTX:Maize
Start	45293	End	47173
GI	none	Score	122
Exons	45293..45421, 45307..45414, 45494..45598, 45505..45639, 47096..47173		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11278	Strand	-
Start	56776	End	57178
Name	OJ990712_09.9B05.C7.o12.gp	Method	AAT/GAP
Start	56776	End	57178
GI	none	Score	773
Exons	56776..57178		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11279	Strand	
Start	62454	End	63314
Name	OJ990712_09.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	62454	End	63011
GI	none	Score	118
Exons	62454..62684, 62724..63011, 62832..63002, 62837..63010		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11279	Strand	
Start	62454	End	63314
Name	OJ990712_09.9B05.C7.o3.tm	Method	TBLASTX:Maize
Start	62679	End	63314
GI	none	Score	87
Exons	62679..62744, 62684..62746, 62745..63167, 62784..63050, 62831..63166, 63162..63314		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11279	Strand	
Start	62454	End	63314
Name	OJ990712_09.9B05.C7.o3.ts	Method	TBLASTX:Soybean
Start	62853	End	63314
GI	none	Score	250
Exons	62853..63164, 62871..63062, 62873..63157, 63186..63314		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11279	Strand	
Start	62454	End	63314
Name	OJ990712_09.9B05.C7.o3.tc	Method	TBLASTX:Cress
Start	62871	End	63313
GI	none	Score	127
Exons	62871..63065, 63087..63161, 63176..63313, 63177..63308		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11280	Strand	
Start	63747	End	64567
Name	OJ990712_09.9B05.C7.o2.tw	Method	TBLASTX:Wheat
Start	63747	End	64109
GI	none	Score	77
Exons	63747..63854, 63879..64109		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11280	Strand	
Start	63747	End	64567
Name	OJ990712_09.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	63882	End	64543
GI	none	Score	231
Exons	63882..64109, 63890..64096, 64111..64527, 64112..64543		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11280	Strand	
Start	63747	End	64567
Name	OJ990712_09.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	63900	End	64567
GI	none	Score	140
Exons	63900..64109, 64112..64285, 64307..64567		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11280	Strand	
Start	63747	End	64567
Name	OJ990712_09.9B05.C7.o3.tw	Method	TBLASTX:Wheat
Start	64124	End	64492
GI	none	Score	97
Exons	64124..64297, 64316..64492, 64379..64492		

Seq. No.	5415	Seq. ID	OJ990712_09.9B05.C7
Gene No.	11280	Strand	
Start	63747	End	64567
Name	OJ990712_09.9B05.C7.o4.tc	Method	TBLASTX:Cress
Start	64172	End	64537
GI	none	Score	88
Exons	64172..64303, 64292..64537		

Seq. No.	5416	Seq. ID	OJ990712_09.9B05.C8
Gene No.	11281	Strand	+
Start	1	End	3813
Name	OJ990712_09.9B05.C8.o2.np	Method	AAT/NAP
Start	1	End	3813
GI	4680207	Score	253
Exons	1..24, 442..508, 961..1863, 3643..3699, 3762..3813		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	5416	Seq. ID	OJ990712_09.9B05.C8
Gene No.	11281	Strand	+
Start	1	End	3813
Name	OJ990712_09.9B05.C8.o1.np	Method	AAT/NAP
Start	251	End	1991
GI	6539588	Score	205
Exons	251..550, 1967..1991		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5416	Seq. ID	OJ990712_09.9B05.C8
Gene No.	11281	Strand	+
Start	1	End	3813
Name	OJ990712_09.9B05.C8.o1.gs	Method	GENSCAN
Start	278	End	1683
GI	none	Score	.57
Exons	278..365, 371..550, 693..756, 950..1139, 1171..1683		

Seq. No.	5416	Seq. ID	OJ990712_09.9B05.C8
Gene No.	11281	Strand	+
Start	1	End	3813
Name	OJ990712_09.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	962	End	1260
GI	none	Score	143
Exons	962..1135, 1017..1136, 1147..1260		

Seq. No.	5416	Seq. ID	OJ990712_09.9B05.C8
Gene No.	11281	Strand	+
Start	1	End	3813
Name	OJ990712_09.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	1010	End	1290
GI	none	Score	93
Exons	1010..1135, 1023..1136, 1141..1191, 1198..1287, 1204..1290		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11282	Strand	+
Start	1	End	8632
Name	OJ990712_09.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	3571

GI	4680207	Score	628
Exons	1..35, 684..1429, 1469..2549, 3414..3571		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11282	Strand	+
Start	1	End	8632
Name	OJ990712_09.9B05.C9.o1.gs	Method	GENSCAN
Start	682	End	2006
GI	none	Score	.61
Exons	682..788, 1037..2006		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11282	Strand	+
Start	1	End	8632
Name	OJ990712_09.9B05.C9.o2.gs	Method	GENSCAN
Start	3408	End	8416
GI	none	Score	.73
Exons	3408..3430, 5139..5195, 5401..5452, 5528..6066, 6749..6807, 7696..7937, 8199..8264, 8357..8416		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11282	Strand	+
Start	1	End	8632
Name	OJ990712_09.9B05.C9.o2.gp	Method	AAT/GAP
Start	6586	End	8632
GI	1211_1.R1084	Score	1361
Exons	6586..6656, 6749..6807, 7652..7937, 8199..8264, 8357..8632		
GI Descrip.	'5106775/gb|AAD39838.1|AF067732_1 3.0e-64 (AF067732) ribosomal protein S12 [Hordeum vulgare]'		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11282	Strand	+
Start	1	End	8632
Name	OJ990712_09.9B05.C9.o2.np	Method	AAT/NAP
Start	7629	End	8413
GI	5106775	Score	573
Exons	7629..7937, 8199..8264, 8357..8413		
GI Descrip.	(AF067732) ribosomal protein S12 [Hordeum vulgare]		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11283	Strand	+
Start	9503	End	12754
Name	OJ990712_09.9B05.C9.o3.gs	Method	GENSCAN
Start	9503	End	12754
GI	none	Score	.78
Exons	9503..9966, 10097..10202, 10292..10313, 11040..11176, 11505..11654, 12671..12754		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11283	Strand	+
Start	9503	End	12754
Name	OJ990712_09.9B05.C9.o3.np	Method	AAT/NAP
Start	9721	End	11725
GI	4895223	Score	1178
Exons	9721..9966, 10073..10202, 10292..10493, 10722..10784,		

	11040..11179, 11270..11419, 11505..11725		
GI Descrip.	(AC007660) glycerol-3-phosphate dehydrogenase [Arabidopsis thaliana]		
Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11283	Strand	+
Start	9503	End	12754
Name	OJ990712_09.9B05.C9.o3.gp	Method	AAT/GAP
Start	11588	End	12643
GI	3768331	Score	729
Exons	11588..11654, 12268..12643		
Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11284	Strand	+
Start	13684	End	13863
Name	OJ990712_09.9B05.C9.o4.gs	Method	GENSCAN
Start	13684	End	13863
GI	none	Score	.92
Exons	13684..13863		
Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11285	Strand	-
Start	4099	End	4612
Name	OJ990712_09.9B05.C9.o1.gp	Method	AAT/GAP
Start	4099	End	4612
GI	none	Score	542
Exons	4099..4187, 4296..4336, 4437..4612		
Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11286	Strand	-
Start	13640	End	13895
Name	OJ990712_09.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	572	End	1301
GI	none	Score	46
Exons	572..604, 613..927, 954..1106, 974..1105, 1218..1301		
Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11286	Strand	-
Start	13640	End	13895
Name	OJ990712_09.9B05.C9.o2.tw	Method	TBLASTX:Wheat
Start	805	End	1099
GI	none	Score	103
Exons	805..888, 807..887, 901..939, 933..1088, 962..1099, 963..1097		
Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11286	Strand	-
Start	13640	End	13895
Name	OJ990712_09.9B05.C9.o3.tm	Method	TBLASTX:Maize
Start	807	End	1301
GI	none	Score	86
Exons	807..887, 808..888, 956..1102, 960..1106, 1121..1225, 1131..1199, 1215..1301		
Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11286	Strand	-
Start	13640	End	13895
Name	OJ990712_09.9B05.C9.o2.tm	Method	TBLASTX:Maize

Start	7675	End	8561
GI	none	Score	289
Exons	7675..7932, 7676..7933, 7680..7949, 7689..7940, 8199..8231, 8199..8270, 8316..8417, 8329..8421, 8330..8419, 8534..8560, 8535..8561		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11286	Strand	-
Start	13640	End	13895
Name	OJ990712_09.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	7677	End	7940
GI	none	Score	92
Exons	7677..7937, 7678..7746, 7682..7933, 7688..7939, 7689..7940		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11286	Strand	-
Start	13640	End	13895
Name	OJ990712_09.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	7694	End	8419
GI	none	Score	311
Exons	7694..7936, 7695..7940, 8199..8231, 8330..8419		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11286	Strand	-
Start	13640	End	13895
Name	OJ990712_09.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	7706	End	8564
GI	none	Score	393
Exons	7706..7939, 7707..7940, 8199..8231, 8199..8270, 8316..8417, 8329..8421, 8330..8422, 8448..8549, 8466..8564, 8470..8553		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11286	Strand	-
Start	13640	End	13895
Name	OJ990712_09.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	11023	End	11537
GI	none	Score	140
Exons	11023..11175, 11027..11179, 11032..11175, 11264..11422, 11265..11420, 11266..11421, 11267..11422, 11504..11536, 11504..11536, 11505..11537		

Seq. No.	5417	Seq. ID	OJ990712_09.9B05.C9
Gene No.	11286	Strand	-
Start	13640	End	13895
Name	OJ990712_09.9B05.C9.o4.np	Method	AAT/NAP
Start	13640	End	13895
GI	1947160	Score	51
Exons	13640..13895		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	5418	Seq. ID	OJ990712_09.9B05.C10
Gene No.	11287	Strand	-
Start	557	End	769
Name	OJ990712_09.9B05.C10.o1.gs	Method	GENSCAN
Start	557	End	769
GI	none	Score	.58

Exons	557..769		
Seq. No.	5419	Seq. ID	OJ990712_09.9B05.C12
Gene No.	11288	Strand	-
Start	1	End	754
Name	OJ990712_09.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	754
GI	5091513	Score	672
Exons	1..754		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	5419	Seq. ID	OJ990712_09.9B05.C12
Gene No.	11288	Strand	-
Start	1	End	754
Name	OJ990712_09.9B05.C12.o1.gs	Method	GENSCAN
Start	303	End	716
GI	none	Score	.88
Exons	303..716		
Seq. No.	5420	Seq. ID	OJ990712_09.9B05.C13
Gene No.	11289	Strand	+
Start	693	End	983
Name	OJ990712_09.9B05.C13.o1.gp	Method	AAT/GAP
Start	693	End	983
GI	3760584	Score	531
Exons	693..983		
Seq. No.	5420	Seq. ID	OJ990712_09.9B05.C13
Gene No.	11290	Strand	+
Start	2241	End	4168
Name	OJ990712_09.9B05.C13.o2.np	Method	AAT/NAP
Start	2241	End	4168
GI	6721512	Score	101
Exons	2241..2270, 3890..4007, 4035..4168		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	5420	Seq. ID	OJ990712_09.9B05.C13
Gene No.	11291	Strand	-
Start	420	End	4235
Name	OJ990712_09.9B05.C13.o1.np	Method	AAT/NAP
Start	420	End	3465
GI	2347198	Score	388
Exons	420..445, 2474..2597, 2845..2934, 3080..3218, 3329..3465		
GI Descrip.	(AC002338) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	5420	Seq. ID	OJ990712_09.9B05.C13
Gene No.	11291	Strand	-
Start	420	End	4235
Name	OJ990712_09.9B05.C13.o2.gs	Method	GENSCAN
Start	1881	End	4235
GI	none	Score	.92
Exons	1881..2685, 2801..2934, 3080..3218, 3311..3643, 3732..3804, 4088..4235		
Seq. No.	5420	Seq. ID	OJ990712_09.9B05.C13
Gene No.	11291	Strand	-
Start	420	End	4235

Name	OJ990712_09.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	2911	End	3390
GI	none	Score	161
Exons	2911..2949, 3080..3217, 3084..3215, 3319..3390, 3331..3366		

Seq. No.	5420	Seq. ID	OJ990712_09.9B05.C13
Gene No.	11291	Strand	-
Start	420	End	4235
Name	OJ990712_09.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	3092	End	3390
GI	none	Score	140
Exons	3092..3217, 3093..3218, 3319..3390		

Seq. No.	5421	Seq. ID	OJ990412_02.9B16.C1
Gene No.	11292	Strand	-
Start	785	End	889
Name	OJ990412_02.9B16.C1.o1.gs	Method	GENSCAN
Start	785	End	889
GI	none	Score	.93
Exons	785..889		

Seq. No.	5422	Seq. ID	OJ990412_02.9B16.C3
Gene No.	11293	Strand	+
Start	1	End	115
Name	OJ990412_02.9B16.C3.o1.np	Method	AAT/NAP
Start	1	End	115
GI	2213619	Score	78
Exons	1..115		
GI Descrip.	(AC000103) F21J9.14 [Arabidopsis thaliana]		

Seq. No.	5423	Seq. ID	OJ990412_02.9B16.C5
Gene No.	11294	Strand	+
Start	268	End	729
Name	OJ990412_02.9B16.C5.o1.np	Method	AAT/NAP
Start	268	End	729
GI	6815109	Score	172
Exons	268..570, 671..729		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5424	Seq. ID	OJ990412_02.9B16.C7
Gene No.	11295	Strand	-
Start	856	End	1110
Name	OJ990412_02.9B16.C7.o1.gs	Method	GENSCAN
Start	856	End	1110
GI	none	Score	.82
Exons	856..1110		

Seq. No.	5424	Seq. ID	OJ990412_02.9B16.C7
Gene No.	11296	Strand	-
Start	1202	End	1467
Name	OJ990412_02.9B16.C7.o1.gp	Method	AAT/GAP
Start	1202	End	1467
GI	3766775	Score	484
Exons	1202..1467		

Seq. No.	5425	Seq. ID	OJ990412_02.9B16.C8
Gene No.	11297	Strand	+

Start	7592	End	9469
Name	OJ990412_02.9B16.C8.o5.np	Method	AAT/NAP
Start	7592	End	9469
GI	6815109	Score	101
Exons	7592..7638, 9126..9222, 9291..9469		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5425	Seq. ID	OJ990412_02.9B16.C8
Gene No.	11298	Strand	-
Start	1	End	3981
Name	OJ990412_02.9B16.C8.o1.np	Method	AAT/NAP
Start	1	End	3981
GI	4220511	Score	808
Exons	1..22, 191..407, 593..739, 985..1201, 1317..2028, 3873..3981		
GI Descrip.	(AL035356) DNA polymerase III like protein [Arabidopsis thaliana]		

Seq. No.	5425	Seq. ID	OJ990412_02.9B16.C8
Gene No.	11298	Strand	-
Start	1	End	3981
Name	OJ990412_02.9B16.C8.o2.np	Method	AAT/NAP
Start	1	End	2518
GI	4220511	Score	813
Exons	1..22, 191..407, 593..739, 985..1201, 1317..2022, 2404..2518		
GI Descrip.	(AL035356) DNA polymerase III like protein [Arabidopsis thaliana]		

Seq. No.	5425	Seq. ID	OJ990412_02.9B16.C8
Gene No.	11299	Strand	-
Start	6244	End	8305
Name	OJ990412_02.9B16.C8.o3.tm	Method	TBLASTX:Maize
Start	606	End	1370
GI	none	Score	72
Exons	606..746, 609..749, 1004..1201, 1008..1160, 1281..1370		

Seq. No.	5425	Seq. ID	OJ990412_02.9B16.C8
Gene No.	11299	Strand	-
Start	6244	End	8305
Name	OJ990412_02.9B16.C8.o1.tm	Method	TBLASTX:Maize
Start	1595	End	2045
GI	none	Score	311
Exons	1595..1915, 1599..1928, 1600..1929, 1607..1933, 1920..2045, 1921..2043		

Seq. No.	5425	Seq. ID	OJ990412_02.9B16.C8
Gene No.	11299	Strand	-
Start	6244	End	8305
Name	OJ990412_02.9B16.C8.o1.ts	Method	TBLASTX:Soybean
Start	1744	End	2058
GI	none	Score	159
Exons	1744..2058, 1755..2024		

Seq. No.	5425	Seq. ID	OJ990412_02.9B16.C8
Gene No.	11299	Strand	-
Start	6244	End	8305
Name	OJ990412_02.9B16.C8.o2.tm	Method	TBLASTX:Maize
Start	2244	End	2504

GI	none	Score	58
Exons	2244..2294, 2244..2294, 2292..2471, 2295..2504, 2326..2472, 2384..2473		

Seq. No.	5425	Seq. ID	OJ990412_02.9B16.C8
Gene No.	11299	Strand	-
Start	6244	End	8305
Name	OJ990412_02.9B16.C8.o4.np	Method	AAT/NAP
Start	6244	End	8305
GI	6721561	Score	108
Exons	6244..6378, 8201..8305		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5426	Seq. ID	OJ990412_02.9B16.C9
Gene No.	11300	Strand	+
Start	1270	End	6009
Name	OJ990412_02.9B16.C9.o1.gs	Method	GENSCAN
Start	1270	End	6009
GI	none	Score	.61
Exons	1270..1282, 1585..1685, 2785..2908, 4016..4871, 5463..5470, 5528..6009		

Seq. No.	5426	Seq. ID	OJ990412_02.9B16.C9
Gene No.	11301	Strand	-
Start	1296	End	5354
Name	OJ990412_02.9B16.C9.o1.np	Method	AAT/NAP
Start	1296	End	5354
GI	6815053	Score	691
Exons	1296..1532, 1564..1736, 2221..2289, 5274..5354		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	5427	Seq. ID	OJ990412_02.9B16.C10
Gene No.	11302	Strand	+
Start	3447	End	3504
Name	OJ990412_02.9B16.C10.o1.gp	Method	AAT/GAP
Start	3447	End	3504
GI	70_2.R1084	Score	116
Exons	3447..3504		
GI Descrip.	'3461814 8.0e-51 (AC004138) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11
Gene No.	11303	Strand	+
Start	1	End	2717
Name	OJ990412_02.9B16.C11.o1.np	Method	AAT/NAP
Start	1	End	1083
GI	5688945	Score	618
Exons	1..68, 709..1083		
GI Descrip.	(AB017427) mitochondrial ribosomal protein S14 [Oryza sativa] gi|5688950|dbj|BAA82751.1| (AB017429) mitochondrial ribosomal portein S14 [Oryza sativa]		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11

Gene No.	11303	Strand	+
Start	1	End	2717
Name	OJ990412_02.9B16.C11.o2.np	Method	AAT/NAP
Start	549	End	2394
GI	5688947	Score	282
Exons	549..594, 2144..2394		
GI Descrip.	(AB017428) succinate dehydrogenase iron-protein subunit (SDHB) [Oryza sativa] gi|5688949|dbj|BAA82750.1| (AB017429) succinate dehydrogenase iron-protein subunit (SDHB) [Oryza sativa]		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11
Gene No.	11303	Strand	+
Start	1	End	2717
Name	OJ990412_02.9B16.C11.o1.gp	Method	AAT/GAP
Start	706	End	1246
GI	70_1.R1084	Score	1008
Exons	706..1246		
GI Descrip.	'5688945/dbj|BAA82748.1| 1.0e-174 (AB017427) mitochondrial ribosomal protein S14 [Oryza sativa] >gi_5688950_dbj_BAA82751.1_ (AB017429) mitochondrial ribosomal portein S14 [Oryza sativa]'		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11
Gene No.	11303	Strand	+
Start	1	End	2717
Name	OJ990412_02.9B16.C11.o1.gs	Method	GENSCAN
Start	748	End	2397
GI	none	Score	.72
Exons	748..1082, 2226..2397		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11
Gene No.	11303	Strand	+
Start	1	End	2717
Name	OJ990412_02.9B16.C11.o1.tc	Method	TBLASTX:Cress
Start	789	End	1090
GI	none	Score	76
Exons	789..1085, 792..941, 793..1089, 797..1090		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11
Gene No.	11303	Strand	+
Start	1	End	2717
Name	OJ990412_02.9B16.C11.o1.tm	Method	TBLASTX:Maize
Start	2178	End	2477
GI	none	Score	302
Exons	2178..2477, 2224..2406, 2226..2423		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11
Gene No.	11303	Strand	+
Start	1	End	2717
Name	OJ990412_02.9B16.C11.o2.gp	Method	AAT/GAP
Start	2222	End	2717
GI	70_2.R1084	Score	926
Exons	2222..2717		
GI Descrip.	'3461814 8.0e-51 (AC004138) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11
Gene No.	11303	Strand	+

Start	1	End	2717
Name	OJ990412_02.9B16.C11.o1.ts	Method	TBLASTX:Soybean
Start	2223	End	2394
GI	none	Score	239
Exons	2223..2381, 2224..2394, 2225..2386		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11
Gene No.	11303	Strand	+
Start	1	End	2717
Name	OJ990412_02.9B16.C11.o2.tc	Method	TBLASTX:Cress
Start	2235	End	2385
GI	none	Score	205
Exons	2235..2381, 2236..2385		

Seq. No.	5428	Seq. ID	OJ990412_02.9B16.C11
Gene No.	11303	Strand	+
Start	1	End	2717
Name	OJ990412_02.9B16.C11.o1.tw	Method	TBLASTX:Wheat
Start	2279	End	2406
GI	none	Score	193
Exons	2279..2401, 2280..2402, 2281..2406		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11304	Strand	+
Start	665	End	961
Name	OJ990412_02.9B16.C13.o1.gp	Method	AAT/GAP
Start	665	End	961
GI	none	Score	567
Exons	665..961		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11305	Strand	+
Start	1929	End	4710
Name	OJ990412_02.9B16.C13.o2.np	Method	AAT/NAP
Start	1929	End	4635
GI	4538928	Score	130
Exons	1929..1955, 4234..4369, 4504..4635		
GI Descrip.	(AL049483) putative protein [Arabidopsis thaliana]		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11305	Strand	+
Start	1929	End	4710
Name	OJ990412_02.9B16.C13.o2.gs	Method	GENSCAN
Start	3683	End	4710
GI	none	Score	.96
Exons	3683..4369, 4447..4710		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11306	Strand	-
Start	1032	End	3936
Name	OJ990412_02.9B16.C13.o1.ts	Method	TBLASTX:Soybean
Start	1008	End	1757
GI	none	Score	213
Exons	1008..1172, 1034..1153, 1053..1340, 1053..1757, 1054..1755		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11306	Strand	-

Start	1032	End	3936
Name	OJ990412_02.9B16.C13.o1.tm	Method	TBLASTX:Maize
Start	1018	End	1757
GI	none	Score	798
Exons	1018..1755, 1029..1757, 1030..1755, 1031..1756, 1053..1181, 1242..1388, 1563..1673		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11306	Strand	-
Start	1032	End	3936
Name	OJ990412_02.9B16.C13.o1.tc	Method	TBLASTX:Cress
Start	1020	End	1757
GI	none	Score	516
Exons	1020..1757, 1051..1755, 1242..1388		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11306	Strand	-
Start	1032	End	3936
Name	OJ990412_02.9B16.C13.o1.gs	Method	GENSCAN
Start	1032	End	2848
GI	none	Score	.51
Exons	1032..1627, 2080..2301, 2692..2848		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11306	Strand	-
Start	1032	End	3936
Name	OJ990412_02.9B16.C13.o1.np	Method	AAT/NAP
Start	1035	End	3936
GI	4678349	Score	890
Exons	1035..1797, 3849..3936		
GI Descrip.	(AL049659) putative protein [Arabidopsis thaliana]		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11306	Strand	-
Start	1032	End	3936
Name	OJ990412_02.9B16.C13.o1.tw	Method	TBLASTX:Wheat
Start	1059	End	1745
GI	none	Score	413
Exons	1059..1199, 1419..1745, 1419..1745		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11306	Strand	-
Start	1032	End	3936
Name	OJ990412_02.9B16.C13.o2.gp	Method	AAT/GAP
Start	1064	End	1492
GI	LIB3477-008-P1-K1-F11	Score	735
Exons	1064..1492		
GI Descrip.	'4678349/emb|CAB41159.1| 2.0e-57 (AL049659) putative protein [Arabidopsis thaliana]'		

Seq. No.	5429	Seq. ID	OJ990412_02.9B16.C13
Gene No.	11306	Strand	-
Start	1032	End	3936
Name	OJ990412_02.9B16.C13.o3.gp	Method	AAT/GAP
Start	1458	End	2055
GI	36220_1.R1084	Score	578
Exons	1458..1757, 2036..2055		

GI Descrip. '4678259/emb|CAB41120.1| 1.0e-65 (AL049657) putative protein [Arabidopsis thaliana]'

Seq. No.	5430	Seq. ID	OJ990412_02.9B16.C14
Gene No.	11307	Strand	-
Start	116	End	917
Name	OJ990412_02.9B16.C14.o1.gs	Method	GENSCAN
Start	116	End	917
GI	none	Score	.67
Exons	116..270, 787..917		

Seq. No.	5431	Seq. ID	OJ990412_02.9B16.C15
Gene No.	11308	Strand	+
Start	3424	End	3720
Name	OJ990412_02.9B16.C15.o1.gp	Method	AAT/GAP
Start	3304	End	3716
GI	702095	Score	715
Exons	3304..3716		

GI Descrip. 4490338/emb|CAB38620.1| 3.0e-11 (AL035656) putative auxin-induced protein [Arabidopsis thaliana]

Seq. No.	5431	Seq. ID	OJ990412_02.9B16.C15
Gene No.	11308	Strand	+
Start	3424	End	3720
Name	OJ990412_02.9B16.C15.o2.gs	Method	GENSCAN
Start	3424	End	3720
GI	none	Score	.4
Exons	3424..3720		

Seq. No.	5431	Seq. ID	OJ990412_02.9B16.C15
Gene No.	11308	Strand	+
Start	3424	End	3720
Name	OJ990412_02.9B16.C15.o1.np	Method	AAT/NAP
Start	3440	End	3696
GI	416690	Score	168
Exons	3440..3696		

GI Descrip. AUXIN-INDUCED PROTEIN 15A gi|81763|pir||JQ1096 auxin-induced protein 15A - soybean gi|255573|bbs|113699 (S44172) orf 15A [Glycine max=soybeans, cv. Wayne, Peptide, 82 aa] [Glycine max]

Seq. No.	5432	Seq. ID	OJ990412_02.9B16.C16
Gene No.	11309	Strand	+
Start	544	End	705
Name	OJ990412_02.9B16.C16.o1.gs	Method	GENSCAN
Start	544	End	705
GI	none	Score	.7
Exons	544..705		

Seq. No.	5433	Seq. ID	OJ990412_02.9B16.C17
Gene No.	11310	Strand	+
Start	1195	End	1850
Name	OJ990412_02.9B16.C17.o1.gs	Method	GENSCAN
Start	1195	End	1850
GI	none	Score	.57
Exons	1195..1333, 1485..1693, 1754..1850		

Seq. No.	5433	Seq. ID	OJ990412_02.9B16.C17

Gene No.	11311	Strand	+
Start	2495	End	2803
Name	OJ990412_02.9B16.C17.o1.np	Method	AAT/NAP
Start	2468	End	2773
GI	3096945	Score	166
Exons	2468..2773		
GI Descrip.	(AL023094) putative auxin-regulated protein [Arabidopsis thaliana]		

Seq. No.	5433	Seq. ID	OJ990412_02.9B16.C17
Gene No.	11311	Strand	+
Start	2495	End	2803
Name	OJ990412_02.9B16.C17.o2.gs	Method	GENSCAN
Start	2495	End	2803
GI	none	Score	.86
Exons	2495..2803		

Seq. No.	5433	Seq. ID	OJ990412_02.9B16.C17
Gene No.	11312	Strand	+
Start	3827	End	3951
Name	OJ990412_02.9B16.C17.o3.gs	Method	GENSCAN
Start	3827	End	3951
GI	none	Score	.41
Exons	3827..3951		

Seq. No.	5434	Seq. ID	OJ990412_02.9B16.C18
Gene No.	11313	Strand	+
Start	1	End	3206
Name	OJ990412_02.9B16.C18.o1.np	Method	AAT/NAP
Start	1	End	2156
GI	3402678	Score	176
Exons	1..41, 893..1071, 1218..1438, 1982..2156		
GI Descrip.	(AC004697) putative adenylate kinase [Arabidopsis thaliana]		

Seq. No.	5434	Seq. ID	OJ990412_02.9B16.C18
Gene No.	11313	Strand	+
Start	1	End	3206
Name	OJ990412_02.9B16.C18.o1.gs	Method	GENSCAN
Start	393	End	3206
GI	none	Score	.56
Exons	393..440, 931..1071, 1218..1469, 2048..2183, 2495..2541, 2940..3206		

Seq. No.	5434	Seq. ID	OJ990412_02.9B16.C18
Gene No.	11313	Strand	+
Start	1	End	3206
Name	OJ990412_02.9B16.C18.o1.tm	Method	TBLASTX:Maize
Start	892	End	1471
GI	none	Score	224
Exons	892..1068, 928..1071, 930..1076, 1209..1469, 1219..1254, 1220..1471, 1247..1468, 1306..1470		

Seq. No.	5434	Seq. ID	OJ990412_02.9B16.C18
Gene No.	11313	Strand	+
Start	1	End	3206
Name	OJ990412_02.9B16.C18.o2.tm	Method	TBLASTX:Maize
Start	1998	End	2210

GI	none	Score	234
Exons	1998..2210, 2017..2178, 2069..2182		

Seq. No.	5435	Seq. ID	OJ990412_02.9B16.C21
Gene No.	11314	Strand	+
Start	112	End	2497
Name	OJ990412_02.9B16.C21.o1.gs	Method	GENSCAN
Start	112	End	1381
GI	none	Score	.76
Exons	112..139, 1279..1381		

Seq. No.	5435	Seq. ID	OJ990412_02.9B16.C21
Gene No.	11314	Strand	+
Start	112	End	2497
Name	OJ990412_02.9B16.C21.o1.np	Method	AAT/NAP
Start	1279	End	2497
GI	4585994	Score	85
Exons	1279..1381, 2018..2075, 2212..2377, 2425..2497		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5436	Seq. ID	OJ990412_02.9B16.C22
Gene No.	11315	Strand	-
Start	2284	End	2391
Name	OJ990412_02.9B16.C22.o1.gs	Method	GENSCAN
Start	2284	End	2391
GI	none	Score	.77
Exons	2284..2391		

Seq. No.	5437	Seq. ID	OJ990412_02.9B16.C24
Gene No.	11316	Strand	+
Start	1	End	1363
Name	OJ990412_02.9B16.C24.o1.np	Method	AAT/NAP
Start	1	End	1210
GI	4585994	Score	211
Exons	1..100, 244..299, 429..602, 756..869, 1121..1210		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5437	Seq. ID	OJ990412_02.9B16.C24
Gene No.	11316	Strand	+
Start	1	End	1363
Name	OJ990412_02.9B16.C24.o1.gs	Method	GENSCAN
Start	244	End	1363
GI	none	Score	.76
Exons	244..299, 429..602, 756..869, 1121..1363		

Seq. No.	5437	Seq. ID	OJ990412_02.9B16.C24
Gene No.	11317	Strand	+
Start	2048	End	2463
Name	OJ990412_02.9B16.C24.o2.gs	Method	GENSCAN
Start	2048	End	2463
GI	none	Score	.86
Exons	2048..2057, 2342..2463		

Seq. No.	5437	Seq. ID	OJ990412_02.9B16.C24
Gene No.	11318	Strand	+
Start	3172	End	3652
Name	OJ990412_02.9B16.C24.o3.gs	Method	GENSCAN

Start	3172	End	3652
GI	none	Score	.7
Exons	3172..3238, 3546..3652		

Seq. No.	5438	Seq. ID	OJ990412_02.9B16.C25
Gene No.	11319	Strand	+
Start	1023	End	1264
Name	OJ990412_02.9B16.C25.o1.gp	Method	AAT/GAP
Start	1023	End	1264
GI	2797269	Score	465
Exons	1023..1264		

Seq. No.	5439	Seq. ID	OJ990412_02.9B16.C26
Gene No.	11320	Strand	+
Start	85	End	325
Name	OJ990412_02.9B16.C26.o1.gp	Method	AAT/GAP
Start	85	End	325
GI	2797269	Score	456
Exons	85..325		

Seq. No.	5439	Seq. ID	OJ990412_02.9B16.C26
Gene No.	11321	Strand	+
Start	457	End	1186
Name	OJ990412_02.9B16.C26.o1.gs	Method	GENSCAN
Start	457	End	1186
GI	none	Score	.91
Exons	457..618, 776..892, 1088..1186		

Seq. No.	5439	Seq. ID	OJ990412_02.9B16.C26
Gene No.	11321	Strand	+
Start	457	End	1186
Name	OJ990412_02.9B16.C26.o1.np	Method	AAT/NAP
Start	457	End	1177
GI	4585994	Score	164
Exons	457..618, 776..892, 1088..1177		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5439	Seq. ID	OJ990412_02.9B16.C26
Gene No.	11322	Strand	-
Start	1742	End	2543
Name	OJ990412_02.9B16.C26.o2.gs	Method	GENSCAN
Start	1742	End	2543
GI	none	Score	.93
Exons	1742..1867, 2406..2543		

Seq. No.	5440	Seq. ID	OJ990412_02.9B16.C29
Gene No.	11323	Strand	-
Start	1	End	1261
Name	OJ990412_02.9B16.C29.o1.np	Method	AAT/NAP
Start	1	End	1261
GI	5257279	Score	1150
Exons	1..30, 116..366, 715..1261		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	5440	Seq. ID	OJ990412_02.9B16.C29
Gene No.	11323	Strand	-

Start	1	End	1261
Name	OJ990412_02.9B16.C29.o1.gs	Method	GENSCAN
Start	67	End	1059
GI	none	Score	.49
Exons	67..1059		

Seq. No.	5440	Seq. ID	OJ990412_02.9B16.C29
Gene No.	11324	Strand	-
Start	2072	End	2593
Name	OJ990412_02.9B16.C29.o1.gp	Method	AAT/GAP
Start	2072	End	2593
GI	LIB3434-038-P1-K1-F1	Score	752
Exons	2072..2593		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5441	Seq. ID	OJ990412_02.9B16.C34
Gene No.	11325	Strand	-
Start	247	End	778
Name	OJ990412_02.9B16.C34.o1.gp	Method	AAT/GAP
Start	247	End	778
GI	3766775	Score	1042
Exons	247..778		

Seq. No.	5441	Seq. ID	OJ990412_02.9B16.C34
Gene No.	11325	Strand	-
Start	247	End	778
Name	OJ990412_02.9B16.C34.o1.gs	Method	GENSCAN
Start	399	End	719
GI	none	Score	.78
Exons	399..719		

Seq. No.	5442	Seq. ID	OJ990412_02.9B16.C35
Gene No.	11326	Strand	+
Start	1	End	907
Name	OJ990412_02.9B16.C35.o1.np	Method	AAT/NAP
Start	1	End	907
GI	5257279	Score	191
Exons	1..147, 632..907		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	5443	Seq. ID	OJ990412_02.9B16.C37
Gene No.	11327	Strand	+
Start	270	End	1710
Name	OJ990412_02.9B16.C37.o1.gs	Method	GENSCAN
Start	270	End	1710
GI	none	Score	.6
Exons	270..539, 688..878, 1048..1161, 1704..1710		

Seq. No.	5443	Seq. ID	OJ990412_02.9B16.C37
Gene No.	11328	Strand	-
Start	2334	End	3445
Name	OJ990412_02.9B16.C37.o2.gs	Method	GENSCAN
Start	2334	End	3445
GI	none	Score	.91
Exons	2334..2549, 2644..2751, 2855..3445		

Seq. No.	5444	Seq. ID	OJ990412_02.9B16.C38
Gene No.	11329	Strand	+
Start	506	End	5506
Name	OJ990412_02.9B16.C38.o1.gs	Method	GENSCAN
Start	506	End	5506
GI	none	Score	.53
Exons	506..616, 3732..3827, 4532..4556, 4901..5029, 5289..5458, 5499..5506		

Seq. No.	5444	Seq. ID	OJ990412_02.9B16.C38
Gene No.	11330	Strand	-
Start	7333	End	9133
Name	OJ990412_02.9B16.C38.o2.gs	Method	GENSCAN
Start	7333	End	8988
GI	none	Score	.55
Exons	7333..7406, 8965..8988		

Seq. No.	5444	Seq. ID	OJ990412_02.9B16.C38
Gene No.	11330	Strand	-
Start	7333	End	9133
Name	OJ990412_02.9B16.C38.o1.gp	Method	AAT/GAP
Start	7471	End	7772
GI	61605_3.R1084	Score	433
Exons	7471..7772		
GI Descrip.	'1402920/emb|CAA66965| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	5444	Seq. ID	OJ990412_02.9B16.C38
Gene No.	11330	Strand	-
Start	7333	End	9133
Name	OJ990412_02.9B16.C38.o1.np	Method	AAT/NAP
Start	8140	End	8988
GI	6063554	Score	281
Exons	8140..8314, 8961..8988		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5444	Seq. ID	OJ990412_02.9B16.C38
Gene No.	11330	Strand	-
Start	7333	End	9133
Name	OJ990412_02.9B16.C38.o2.gp	Method	AAT/GAP
Start	8765	End	9133
GI	101153_1.R1084	Score	383
Exons	8765..8989, 9108..9133		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5445	Seq. ID	OJ990412_02.9B16.C39
Gene No.	11331	Strand	+
Start	560	End	1035
Name	OJ990412_02.9B16.C39.o1.gs	Method	GENSCAN
Start	560	End	1035
GI	none	Score	.63
Exons	560..1035		

Seq. No.	5445	Seq. ID	OJ990412_02.9B16.C39
Gene No.	11332	Strand	-
Start	1	End	2284
Name	OJ990412_02.9B16.C39.o1.np	Method	AAT/NAP
Start	1	End	2284
GI	6063554	Score	671
Exons	1..25, 335..367, 717..935, 1053..1342, 2243..2284		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5445	Seq. ID	OJ990412_02.9B16.C39
Gene No.	11332	Strand	-
Start	1	End	2284
Name	OJ990412_02.9B16.C39.o1.gp	Method	AAT/GAP
Start	141	End	870
GI	101153_1.R1084	Score	486
Exons	141..375, 725..870		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5445	Seq. ID	OJ990412_02.9B16.C39
Gene No.	11332	Strand	-
Start	1	End	2284
Name	OJ990412_02.9B16.C39.o2.gs	Method	GENSCAN
Start	1194	End	1342
GI	none	Score	.48
Exons	1194..1342		

Seq. No.	5446	Seq. ID	OJ990412_02.9B16.C40
Gene No.	11333	Strand	+
Start	3227	End	3369
Name	OJ990412_02.9B16.C40.o1.gs	Method	GENSCAN
Start	3227	End	3369
GI	none	Score	.63
Exons	3227..3369		

Seq. No.	5446	Seq. ID	OJ990412_02.9B16.C40
Gene No.	11334	Strand	-
Start	6348	End	7851
Name	OJ990412_02.9B16.C40.o2.gs	Method	GENSCAN
Start	6348	End	7851
GI	none	Score	.75
Exons	6348..6505, 7791..7851		

Seq. No.	5447	Seq. ID	OJ990412_02.9B16.C42
Gene No.	11335	Strand	-
Start	279	End	2017
Name	OJ990412_02.9B16.C42.o1.gs	Method	GENSCAN
Start	279	End	2017
GI	none	Score	.69
Exons	279..440, 1063..1352, 1916..2017		

Seq. No.	5448	Seq. ID	OJ990412_02.9B16.C43
Gene No.	11336	Strand	-
Start	704	End	1075
Name	OJ990412_02.9B16.C43.o1.gs	Method	GENSCAN

Start	704	End	1075
GI	none	Score	.69
Exons	704..1075		

Seq. No.	5449	Seq. ID	OJ990412_02.9B16.C44
Gene No.	11337	Strand	+
Start	103	End	1224
Name	OJ990412_02.9B16.C44.o1.gs	Method	GENSCAN
Start	103	End	1224
GI	none	Score	.86
Exons	103..1224		

Seq. No.	5449	Seq. ID	OJ990412_02.9B16.C44
Gene No.	11338	Strand	-
Start	2132	End	2441
Name	OJ990412_02.9B16.C44.o2.gs	Method	GENSCAN
Start	2132	End	2441
GI	none	Score	.76
Exons	2132..2164, 2394..2441		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11339	Strand	+
Start	5920	End	6577
Name	OJ990412_02.9B16.C45.o2.gs	Method	GENSCAN
Start	5920	End	6577
GI	none	Score	.73
Exons	5920..5928, 6479..6577		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11340	Strand	-
Start	6678	End	8688
Name	OJ990412_02.9B16.C45.o1.np	Method	AAT/NAP
Start	6678	End	8688
GI	1666236	Score	237
Exons	6678..6727, 7970..8688		
GI Descrip.	(U76261) unknown [Hordeum vulgare]		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11340	Strand	-
Start	6678	End	8688
Name	OJ990412_02.9B16.C45.o3.gs	Method	GENSCAN
Start	7405	End	8685
GI	none	Score	.81
Exons	7405..8280, 8497..8685		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11341	Strand	-
Start	10471	End	12567
Name	OJ990412_02.9B16.C45.o4.gs	Method	GENSCAN
Start	10471	End	12567
GI	none	Score	.81
Exons	10471..10605, 11751..11820, 12437..12567		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11342	Strand	-
Start	13310	End	13838
Name	OJ990412_02.9B16.C45.o4.tw	Method	TBLASTX:Wheat

Start	8164	End	8517
GI	none	Score	59
Exons	8164..8517, 8246..8461		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11342	Strand	-
Start	13310	End	13838
Name	OJ990412_02.9B16.C45.o1.tw	Method	TBLASTX:Wheat
Start	10821	End	11189
GI	none	Score	84
Exons	10821..11186, 10821..11189		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11342	Strand	-
Start	13310	End	13838
Name	OJ990412_02.9B16.C45.o2.tm	Method	TBLASTX:Maize
Start	10914	End	11385
GI	none	Score	79
Exons	10914..11000, 10918..10995, 11013..11384, 11017..11052, 11166..11384, 11197..11385		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11342	Strand	-
Start	13310	End	13838
Name	OJ990412_02.9B16.C45.o1.tm	Method	TBLASTX:Maize
Start	11769	End	12476
GI	none	Score	113
Exons	11769..12476, 11932..12069, 12144..12410, 12220..12438		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11342	Strand	-
Start	13310	End	13838
Name	OJ990412_02.9B16.C45.o3.tw	Method	TBLASTX:Wheat
Start	11844	End	12224
GI	none	Score	54
Exons	11844..11924, 11916..12068, 11932..12051, 12078..12224, 12079..12222		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11342	Strand	-
Start	13310	End	13838
Name	OJ990412_02.9B16.C45.o2.tw	Method	TBLASTX:Wheat
Start	12225	End	12474
GI	none	Score	170
Exons	12225..12437, 12229..12474		

Seq. No.	5450	Seq. ID	OJ990412_02.9B16.C45
Gene No.	11342	Strand	-
Start	13310	End	13838
Name	OJ990412_02.9B16.C45.o5.gs	Method	GENSCAN
Start	13310	End	13838
GI	none	Score	.6
Exons	13310..13463, 13480..13838		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11343	Strand	+
Start	219	End	1459

Name	OJ990412_02.9B16.C46.o1.gs	Method	GENSCAN
Start	219	End	1459
GI	none	Score	.96
Exons	219..325, 525..565, 1143..1459		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11344	Strand	+
Start	2723	End	5681
Name	OJ990412_02.9B16.C46.o3.gs	Method	GENSCAN
Start	2723	End	5681
GI	none	Score	.47
Exons	2723..2770, 2845..3222, 4404..4602, 4789..4809, 5464..5681		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11345	Strand	+
Start	6893	End	6999
Name	OJ990412_02.9B16.C46.o2.np	Method	AAT/NAP
Start	6893	End	6999
GI	6630699	Score	90
Exons	6893..6999		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11346	Strand	+
Start	7135	End	9111
Name	OJ990412_02.9B16.C46.o3.np	Method	AAT/NAP
Start	7135	End	9111
GI	6539570	Score	171
Exons	7135..7328, 7501..7574, 9092..9111		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11347	Strand	+
Start	10225	End	10525
Name	OJ990412_02.9B16.C46.o5.gs	Method	GENSCAN
Start	10225	End	10525
GI	none	Score	.89
Exons	10225..10346, 10444..10525		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11348	Strand	+
Start	13008	End	15064
Name	OJ990412_02.9B16.C46.o6.gs	Method	GENSCAN
Start	13008	End	15064
GI	none	Score	.58
Exons	13008..13100, 13693..13967, 14284..14339, 14574..15064		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11349	Strand	+
Start	16707	End	18337
Name	OJ990412_02.9B16.C46.o7.gs	Method	GENSCAN
Start	16707	End	18328
GI	none	Score	.72
Exons	16707..16878, 16884..18328		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11349	Strand	+
Start	16707	End	18337
Name	OJ990412_02.9B16.C46.o4.np	Method	AAT/NAP
Start	16931	End	18337
GI	421948	Score	1108
Exons	16931..18337		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11350	Strand	+
Start	18649	End	23702
Name	OJ990412_02.9B16.C46.o8.gs	Method	GENSCAN
Start	18649	End	23702
GI	none	Score	.65
Exons	18649..18700, 21042..21338, 21800..21990, 23163..23702		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11351	Strand	-
Start	331	End	1435
Name	OJ990412_02.9B16.C46.o1.gp	Method	AAT/GAP
Start	331	End	1435
GI	none	Score	1012
Exons	331..652, 1194..1435		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11352	Strand	-
Start	1632	End	2039
Name	OJ990412_02.9B16.C46.o2.gs	Method	GENSCAN
Start	1632	End	2039
GI	none	Score	.81
Exons	1632..1903, 1994..2039		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11353	Strand	-
Start	4384	End	8894
Name	OJ990412_02.9B16.C46.o1.np	Method	AAT/NAP
Start	4384	End	6861
GI	5922620	Score	369
Exons	4384..4582, 5662..5975, 6630..6782, 6823..6861		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11353	Strand	-
Start	4384	End	8894
Name	OJ990412_02.9B16.C46.o4.gs	Method	GENSCAN
Start	6128	End	8894
GI	none	Score	.95
Exons	6128..6285, 6602..6626, 6672..6798, 6910..6993, 7269..7447, 8832..8894		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46

Gene No.	11354	Strand	
Start	16952	End	17734
Name	OJ990412_02.9B16.C46.o2.ts	Method	TBLASTX:Soybean
Start	16952	End	17734
GI	none	Score	84
Exons	16952..17035, 17120..17383, 17432..17473, 17552..17689, 17669..17734		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11355	Strand	
Start	17842	End	18184
Name	OJ990412_02.9B16.C46.o1.ts	Method	TBLASTX:Soybean
Start	17842	End	18184
GI	none	Score	342
Exons	17842..18165, 17843..18184		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11355	Strand	
Start	17842	End	18184
Name	OJ990412_02.9B16.C46.o2.tm	Method	TBLASTX:Maize
Start	17873	End	18145
GI	none	Score	193
Exons	17873..18145		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11355	Strand	
Start	17842	End	18184
Name	OJ990412_02.9B16.C46.o1.tc	Method	TBLASTX:Cress
Start	17885	End	18148
GI	none	Score	63
Exons	17885..17950, 17960..18148		

Seq. No.	5451	Seq. ID	OJ990412_02.9B16.C46
Gene No.	11356	Strand	
Start	21254	End	21751
Name	OJ990412_02.9B16.C46.o1.tm	Method	TBLASTX:Maize
Start	21254	End	21751
GI	none	Score	143
Exons	21254..21553, 21283..21672, 21283..21537, 21297..21560, 21548..21598, 21550..21681, 21621..21728, 21651..21749, 21653..21751		

Seq. No.	5452	Seq. ID	OJ990412_02.9B16.C48
Gene No.	11357	Strand	+
Start	1331	End	1958
Name	OJ990412_02.9B16.C48.o1.np	Method	AAT/NAP
Start	1331	End	1958
GI	421948	Score	79
Exons	1331..1520, 1763..1958		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia		

Seq. No.	5452	Seq. ID	OJ990412_02.9B16.C48
Gene No.	11358	Strand	-
Start	1295	End	1700
Name	OJ990412_02.9B16.C48.o1.gs	Method	GENSCAN
Start	1295	End	1700

GI	none	Score	.68
Exons	1295..1700		

Seq. No.	5453	Seq. ID	OJ990412_02.9B16.C50
Gene No.	11359	Strand	+
Start	390	End	682
Name	OJ990412_02.9B16.C50.o1.gs	Method	GENSCAN
Start	390	End	682
GI	none	Score	.5
Exons	390..469, 595..682		

Seq. No.	5454	Seq. ID	OJ990412_02.9B16.C51
Gene No.	11360	Strand	-
Start	1	End	249
Name	OJ990412_02.9B16.C51.o1.np	Method	AAT/NAP
Start	1	End	249
GI	2126090	Score	413
Exons	1..249		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi|455676|bbs|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli] gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]		

Seq. No.	5454	Seq. ID	OJ990412_02.9B16.C51
Gene No.	11360	Strand	-
Start	1	End	249
Name	OJ990412_02.9B16.C51.o1.gs	Method	GENSCAN
Start	68	End	230
GI	none	Score	.57
Exons	68..230		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11361	Strand	+
Start	1	End	223
Name	OJ990412_02.9B16.C52.o1.np	Method	AAT/NAP
Start	1	End	223
GI	6907087	Score	135
Exons	1..46, 122..223		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11362	Strand	+
Start	1963	End	15992
Name	OJ990412_02.9B16.C52.o3.np	Method	AAT/NAP
Start	1963	End	15992
GI	6691191	Score	710
Exons	1963..2311, 5705..5949, 5993..6272, 15957..15992		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11362	Strand	+
Start	1963	End	15992
Name	OJ990412_02.9B16.C52.o4.np	Method	AAT/NAP

Start	8793	End	11212
GI	421948	Score	521
Exons	8793..9623, 11170..11212		
GI Descrip.	UDP rhamnose--anthocyanidin-3-glucoside rhamnosyltransferase - garden petunia		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11362	Strand	+
Start	1963	End	15992
Name	OJ990412_02.9B16.C52.o6.np	Method	AAT/NAP
Start	9856	End	14864
GI	5852180	Score	52
Exons	9856..9897, 13408..13496, 14665..14864		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11362	Strand	+
Start	1963	End	15992
Name	OJ990412_02.9B16.C52.o4.gs	Method	GENSCAN
Start	10380	End	12913
GI	none	Score	.73
Exons	10380..10449, 11060..11319, 11407..11489, 11627..11960, 12770..12913		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11362	Strand	+
Start	1963	End	15992
Name	OJ990412_02.9B16.C52.o5.np	Method	AAT/NAP
Start	10639	End	11717
GI	6539555	Score	924
Exons	10639..11319, 11407..11717		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11362	Strand	+
Start	1963	End	15992
Name	OJ990412_02.9B16.C52.o5.gs	Method	GENSCAN
Start	13593	End	14322
GI	none	Score	.96
Exons	13593..13743, 14174..14322		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11363	Strand	-
Start	605	End	14318
Name	OJ990412_02.9B16.C52.o2.np	Method	AAT/NAP
Start	605	End	2559
GI	4680186	Score	171
Exons	605..833, 2522..2559		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11363	Strand	-
Start	605	End	14318
Name	OJ990412_02.9B16.C52.o7.np	Method	AAT/NAP
Start	1756	End	14318

GI	5852175	Score	129
Exons	1756..1775, 13555..13738, 14270..14318		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11363	Strand	-
Start	605	End	14318
Name	OJ990412_02.9B16.C52.o2.gs	Method	GENSCAN
Start	2531	End	7469
GI	none	Score	.52
Exons	2531..2609, 3825..3897, 4155..4270, 4309..4345, 4527..4643, 4793..4891, 5724..5838, 6826..6868, 6973..7184, 7275..7469		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11363	Strand	-
Start	605	End	14318
Name	OJ990412_02.9B16.C52.o3.gs	Method	GENSCAN
Start	8757	End	10064
GI	none	Score	.64
Exons	8757..8965, 8974..9642, 9654..9831, 9996..10064		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11364	Strand	-
Start	14680	End	15753
Name	OJ990412_02.9B16.C52.o2.tw	Method	TBLASTX:Wheat
Start	1841	End	2261
GI	none	Score	72
Exons	1841..1915, 1842..1916, 1968..2261, 1976..2167, 2037..2240		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11364	Strand	-
Start	14680	End	15753
Name	OJ990412_02.9B16.C52.o1.ts	Method	TBLASTX:Soybean
Start	1916	End	2246
GI	none	Score	246
Exons	1916..2173, 1959..2246, 2001..2246		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11364	Strand	-
Start	14680	End	15753
Name	OJ990412_02.9B16.C52.o1.tw	Method	TBLASTX:Wheat
Start	5741	End	6199
GI	none	Score	56
Exons	5741..5773, 5744..5947, 5745..5942, 5840..5944, 5990..6061, 5994..6095, 6071..6199, 6088..6189		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11364	Strand	-
Start	14680	End	15753
Name	OJ990412_02.9B16.C52.o2.ts	Method	TBLASTX:Soybean
Start	8813	End	9259
GI	none	Score	105
Exons	8813..8863, 8814..8897, 8898..8951, 9020..9259		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11364	Strand	-
Start	14680	End	15753

Name	OJ990412_02.9B16.C52.o3.tw	Method	TBLASTX:Wheat
Start	11494	End	11780
GI	none	Score	87
Exons	11494..11640, 11636..11713, 11637..11780, 11689..11748		

Seq. No.	5455	Seq. ID	OJ990412_02.9B16.C52
Gene No.	11364	Strand	-
Start	14680	End	15753
Name	OJ990412_02.9B16.C52.o6.gs	Method	GENSCAN
Start	14680	End	15753
GI	none	Score	.49
Exons	14680..14827, 15680..15753		

Seq. No.	5456	Seq. ID	OJ990412_02.9B16.C53
Gene No.	11365	Strand	+
Start	176	End	277
Name	OJ990412_02.9B16.C53.o1.gp	Method	AAT/GAP
Start	176	End	277
GI	LIB3477-003-P1-K1-E9	Score	115
Exons	176..277		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5456	Seq. ID	OJ990412_02.9B16.C53
Gene No.	11366	Strand	-
Start	1416	End	1632
Name	OJ990412_02.9B16.C53.o1.gs	Method	GENSCAN
Start	1416	End	1632
GI	none	Score	.71
Exons	1416..1632		

Seq. No.	5457	Seq. ID	OJ990412_02.9B16.C54
Gene No.	11367	Strand	-
Start	499	End	1354
Name	OJ990412_02.9B16.C54.o1.gs	Method	GENSCAN
Start	499	End	1354
GI	none	Score	.57
Exons	499..797, 1171..1354		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11368	Strand	+
Start	574	End	789
Name	OJ990412_02.9B16.C55.o1.gs	Method	GENSCAN
Start	574	End	789
GI	none	Score	.72
Exons	574..789		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11369	Strand	+
Start	5776	End	15558
Name	OJ990412_02.9B16.C55.o3.np	Method	AAT/NAP
Start	5776	End	15558
GI	5305335	Score	115
Exons	5776..5811, 10387..10555, 10688..10798, 15191..15558		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11369	Strand	+
Start	5776	End	15558
Name	OJ990412_02.9B16.C55.o2.gp	Method	AAT/GAP
Start	10426	End	10740
GI	none	Score	607
Exons	10426..10740		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11370	Strand	-
Start	1	End	15974
Name	OJ990412_02.9B16.C55.o2.np	Method	AAT/NAP
Start	1	End	15974
GI	1655699	Score	119
Exons	1..52, 5574..5656, 5937..6094, 9767..9927, 15937..15974		
GI Descrip.	(Y07752) pherophorin-S [Volvox carteri]		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11370	Strand	-
Start	1	End	15974
Name	OJ990412_02.9B16.C55.o1.tm	Method	TBLASTX:Maize
Start	3189	End	5863
GI	none	Score	37
Exons	3189..3272, 3212..3271, 3331..3498, 3331..3504, 3332..3505, 5504..5587, 5521..5586, 5657..5863, 5668..5862		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11370	Strand	-
Start	1	End	15974
Name	OJ990412_02.9B16.C55.o1.tw	Method	TBLASTX:Wheat
Start	3263	End	3466
GI	none	Score	84
Exons	3263..3466, 3330..3386, 3331..3465, 3332..3466		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11370	Strand	-
Start	1	End	15974
Name	OJ990412_02.9B16.C55.o1.gp	Method	AAT/GAP
Start	3291	End	6000
GI	4908_1.R1084	Score	1062
Exons	3291..3504, 5512..6000		
GI Descrip.	'3068809 1.0e-40 (AF059295) Skp1 homolog [Arabidopsis thaliana]'		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11370	Strand	-
Start	1	End	15974
Name	OJ990412_02.9B16.C55.o1.tc	Method	TBLASTX:Cress
Start	3328	End	5838
GI	none	Score	205
Exons	3328..3504, 3332..3505, 5513..5581, 5521..5586, 5576..5833, 5671..5838		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11370	Strand	-
Start	1	End	15974
Name	OJ990412_02.9B16.C55.o2.gs	Method	GENSCAN

Start	3331	End	7104
GI	none	Score	.55
Exons	3331..3504, 5512..5928, 6049..6200, 7065..7104		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11370	Strand	-
Start	1	End	15974
Name	OJ990412_02.9B16.C55.o1.np	Method	AAT/NAP
Start	3334	End	5850
GI	3068809	Score	631
Exons	3334..3504, 5512..5850		
GI Descrip.	(AF059295) Skp1 homolog [Arabidopsis thaliana]		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11370	Strand	-
Start	1	End	15974
Name	OJ990412_02.9B16.C55.o1.ts	Method	TBLASTX:Soybean
Start	3412	End	5863
GI	none	Score	118
Exons	3412..3504, 3413..3505, 3425..3505, 5504..5587, 5521..5586, 5657..5863, 5668..5862		

Seq. No.	5458	Seq. ID	OJ990412_02.9B16.C55
Gene No.	11370	Strand	-
Start	1	End	15974
Name	OJ990412_02.9B16.C55.o3.gp	Method	AAT/GAP
Start	12622	End	12786
GI	533_1.R1084	Score	170
Exons	12622..12675, 12698..12786		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11371	Strand	+
Start	289	End	2195
Name	OJ990412_02.9B16.C56.o1.np	Method	AAT/NAP
Start	289	End	2195
GI	6041833	Score	541
Exons	289..642, 1376..1764, 1814..2195		
GI Descrip.	(AC009853) unknown protein [Arabidopsis thaliana] gi|6642634|gb|AAF20215.1|AC012395_2 (AC012395) unknown protein [Arabidopsis thaliana]		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11371	Strand	+
Start	289	End	2195
Name	OJ990412_02.9B16.C56.o1.gs	Method	GENSCAN
Start	368	End	2162
GI	none	Score	.44
Exons	368..642, 1376..2162		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11372	Strand	+
Start	2124	End	2359
Name	OJ990412_02.9B16.C56.o1.gp	Method	AAT/GAP

Start	2124	End	2359
GI	5004456	Score	435
Exons	2124..2359		
GI Descrip.	2352023/gb|U93713| 6.0e-12 Cloning vector pRS400 with kanMX4 marker, complete sequence		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11373	Strand	+
Start	2705	End	5740
Name	OJ990412_02.9B16.C56.o2.np	Method	AAT/NAP
Start	2705	End	4101
GI	6056412	Score	134
Exons	2705..2727, 3963..4101		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11373	Strand	+
Start	2705	End	5740
Name	OJ990412_02.9B16.C56.o2.gp	Method	AAT/GAP
Start	3655	End	4625
GI	31424_1.R1084	Score	1903
Exons	3655..4625		
GI Descrip.	'6016877/dbj|BAA85220.1| 5.0e-11 (AP000570) ESTs AU077642(E30706),AU077641(E30706) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]'		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11373	Strand	+
Start	2705	End	5740
Name	OJ990412_02.9B16.C56.o2.gs	Method	GENSCAN
Start	3799	End	5740
GI	none	Score	.73
Exons	3799..4091, 5158..5226, 5374..5740		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11374	Strand	+
Start	7279	End	7942
Name	OJ990412_02.9B16.C56.o3.gs	Method	GENSCAN
Start	7279	End	7942
GI	none	Score	.52
Exons	7279..7336, 7575..7942		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11374	Strand	+
Start	7279	End	7942
Name	OJ990412_02.9B16.C56.o3.np	Method	AAT/NAP
Start	7548	End	7838
GI	6539588	Score	189
Exons	7548..7838		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o3.tm	Method	TBLASTX:Maize
Start	364	End	549
GI	none	Score	208

Exons	364..549, 365..547		
Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o3.tc	Method	TBLASTX:Cress
Start	368	End	1592
GI	none	Score	129
Exons	368..673, 457..636, 1365..1592		
Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o2.ts	Method	TBLASTX:Soybean
Start	1329	End	1742
GI	none	Score	238
Exons	1329..1589, 1337..1603, 1374..1601, 1641..1742		
Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o4.tc	Method	TBLASTX:Cress
Start	1674	End	2180
GI	none	Score	91
Exons	1674..1754, 1892..1999, 1899..2024, 2031..2180		
Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o4.tm	Method	TBLASTX:Maize
Start	1808	End	2071
GI	none	Score	108
Exons	1808..1951, 1808..1948, 1917..2069, 1949..2071, 1952..2071		
Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o2.tm	Method	TBLASTX:Maize
Start	3898	End	4112
GI	none	Score	244
Exons	3898..3942, 3949..4098, 3984..4112, 3996..4109		
Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o3.gp	Method	AAT/GAP
Start	9580	End	10965
GI	82_3.R1084	Score	1988
Exons	9580..10137, 10405..10506, 10600..10965		
GI Descrip.	'2244749/emb|CAB10172.1| 5.0e-61 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		
Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o2.tc	Method	TBLASTX:Cress
Start	9887	End	10673

GI	none	Score	239
Exons	9887..10138, 9897..10139, 10029..10139, 10401..10508, 10403..10519, 10403..10507, 10413..10508, 10576..10653, 10588..10668, 10589..10669, 10598..10672, 10599..10673		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o1.tm	Method	TBLASTX:Maize
Start	9893	End	12355
GI	none	Score	370
Exons	9893..10138, 9894..10151, 9951..10151, 10401..10508, 10403..10507, 10591..10758, 10597..10992, 10598..10990, 10800..10991, 10897..10992, 12038..12355, 12041..12355		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o4.gs	Method	GENSCAN
Start	9893	End	12346
GI	none	Score	.95
Exons	9893..10137, 10405..10506, 10600..10990, 12041..12346		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o1.ts	Method	TBLASTX:Soybean
Start	9893	End	12355
GI	none	Score	275
Exons	9893..10138, 9897..10151, 10401..10508, 10403..10507, 10591..10758, 10598..10990, 10599..10868, 10600..10992, 10601..10993, 12033..12083, 12038..12184, 12041..12355, 12153..12284, 12227..12355		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o4.np	Method	AAT/NAP
Start	9896	End	12355
GI	2244749	Score	1553
Exons	9896..10137, 10405..10506, 10600..10990, 12041..12355		
GI Descrip.	(Z97335) hydroxymethyltransferase [Arabidopsis thaliana]		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o1.tw	Method	TBLASTX:Wheat
Start	10424	End	10852
GI	none	Score	60
Exons	10424..10519, 10598..10852, 10599..10667, 10743..10841		

Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o1.tc	Method	TBLASTX:Cress
Start	10673	End	12355
GI	none	Score	50

Exons	10673..10744, 10673..10747, 10754..10990, 10755..10868, 10756..10995, 10800..10991, 12038..12355, 12041..12355		
Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o2.tw	Method	TBLASTX:Wheat
Start	12185	End	12355
GI	none	Score	69
Exons	12185..12355, 12236..12355		
Seq. No.	5459	Seq. ID	OJ990412_02.9B16.C56
Gene No.	11375	Strand	-
Start	9893	End	12355
Name	OJ990412_02.9B16.C56.o5.gp	Method	AAT/GAP
Start	12243	End	12355
GI	25688_1.R1084	Score	179
Exons	12243..12355		
GI Descrip.	'2244749/emb|CAB10172.1| 1.0e-62 (Z97335) hydroxymethyltransferase [Arabidopsis thaliana]'		
Seq. No.	5460	Seq. ID	OJ990412_02.9B16.C58
Gene No.	11376	Strand	+
Start	614	End	958
Name	OJ990412_02.9B16.C58.o1.gs	Method	GENSCAN
Start	614	End	958
GI	none	Score	.84
Exons	614..621, 802..958		
Seq. No.	5460	Seq. ID	OJ990412_02.9B16.C58
Gene No.	11377	Strand	+
Start	1519	End	2824
Name	OJ990412_02.9B16.C58.o1.np	Method	AAT/NAP
Start	1519	End	2824
GI	6815099	Score	79
Exons	1519..1561, 2708..2824		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		
Seq. No.	5460	Seq. ID	OJ990412_02.9B16.C58
Gene No.	11378	Strand	-
Start	2105	End	2203
Name	OJ990412_02.9B16.C58.o2.gs	Method	GENSCAN
Start	2105	End	2203
GI	none	Score	.89
Exons	2105..2203		
Seq. No.	5461	Seq. ID	OJ990412_02.9B16.C59
Gene No.	11379	Strand	+
Start	213	End	290
Name	OJ990412_02.9B16.C59.o1.np	Method	AAT/NAP
Start	213	End	290
GI	6630699	Score	70
Exons	213..290		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5461	Seq. ID	OJ990412_02.9B16.C59
Gene No.	11380	Strand	+
Start	1090	End	1352
Name	OJ990412_02.9B16.C59.o1.gs	Method	GENSCAN
Start	1090	End	1352
GI	none	Score	.66
Exons	1090..1352		

Seq. No.	5461	Seq. ID	OJ990412_02.9B16.C59
Gene No.	11381	Strand	-
Start	429	End	535
Name	OJ990412_02.9B16.C59.o2.np	Method	AAT/NAP
Start	429	End	535
GI	5922619	Score	102
Exons	429..535		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016852|dbj|BAA85195.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5462	Seq. ID	OJ990412_02.9B16.C60
Gene No.	11382	Strand	+
Start	1208	End	5031
Name	OJ990412_02.9B16.C60.o1.gs	Method	GENSCAN
Start	1208	End	5031
GI	none	Score	.48
Exons	1208..1295, 3390..3513, 4854..5031		

Seq. No.	5462	Seq. ID	OJ990412_02.9B16.C60
Gene No.	11383	Strand	+
Start	5658	End	7000
Name	OJ990412_02.9B16.C60.o1.np	Method	AAT/NAP
Start	5658	End	7000
GI	6523547	Score	77
Exons	5658..5721, 6751..7000		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	5463	Seq. ID	OJ990412_02.9B16.C61
Gene No.	11384	Strand	+
Start	1	End	2410
Name	OJ990412_02.9B16.C61.o1.gp	Method	AAT/GAP
Start	1	End	2406
GI	2131_1.R1084	Score	2843
Exons	1..374, 1236..1772, 1865..2406		
GI Descrip.	'417745/sp|P32112|SAHH_WHEAT 0.0e+00 ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE) (ADOHCYASE) >gi_170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]'		

Seq. No.	5463	Seq. ID	OJ990412_02.9B16.C61
Gene No.	11384	Strand	+
Start	1	End	2410
Name	OJ990412_02.9B16.C61.o1.np	Method	AAT/NAP
Start	1	End	2071
GI	417745	Score	1806
Exons	1..374, 1236..1772, 1865..2071		
GI Descrip.	ADENOSYLHOMOCYSTEINASE (S-ADENOSYL-L-HOMOCYSTEINE HYDROLASE)		

(ADOHCYASE) gi|170773 (L11872) S-adenosyl-L-homocysteine hydrolase [Triticum aestivum]

Seq. No.	5463	Seq. ID	OJ990412_02.9B16.C61
Gene No.	11384	Strand	+
Start	1	End	2410
Name	OJ990412_02.9B16.C61.o1.tc	Method	TBLASTX:Cress
Start	2	End	2074
GI	none	Score	564
Exons	2..61, 3..374, 113..373, 1184..1294, 1221..1775, 1233..1775, 1446..1547, 1862..2074, 1864..2070		

Seq. No.	5463	Seq. ID	OJ990412_02.9B16.C61
Gene No.	11384	Strand	+
Start	1	End	2410
Name	OJ990412_02.9B16.C61.o1.tm	Method	TBLASTX:Maize
Start	2	End	2410
GI	none	Score	625
Exons	2..373, 3..374, 1214..1294, 1221..1775, 1233..1772, 1364..1774, 1862..2080, 1862..2044, 1863..2075, 1864..2079, 1923..2084, 2156..2200, 2161..2220, 2203..2283, 2239..2367, 2243..2287, 2286..2396, 2289..2396, 2291..2398, 2291..2410		

Seq. No.	5463	Seq. ID	OJ990412_02.9B16.C61
Gene No.	11384	Strand	+
Start	1	End	2410
Name	OJ990412_02.9B16.C61.o1.ts	Method	TBLASTX:Soybean
Start	2	End	2083
GI	none	Score	582
Exons	2..373, 3..374, 1214..1294, 1221..1775, 1233..1772, 1370..1774, 1862..2083, 1862..2044, 1864..2073		

Seq. No.	5463	Seq. ID	OJ990412_02.9B16.C61
Gene No.	11384	Strand	+
Start	1	End	2410
Name	OJ990412_02.9B16.C61.o1.gs	Method	GENSCAN
Start	111	End	2074
GI	none	Score	.95
Exons	111..374, 1236..1772, 1865..2074		

Seq. No.	5463	Seq. ID	OJ990412_02.9B16.C61
Gene No.	11384	Strand	+
Start	1	End	2410
Name	OJ990412_02.9B16.C61.o2.tw	Method	TBLASTX:Wheat
Start	179	End	1396
GI	none	Score	291
Exons	179..373, 180..374, 1214..1294, 1221..1394, 1234..1386, 1367..1396		

Seq. No.	5463	Seq. ID	OJ990412_02.9B16.C61
Gene No.	11384	Strand	+
Start	1	End	2410
Name	OJ990412_02.9B16.C61.o1.tw	Method	TBLASTX:Wheat
Start	1401	End	2388
GI	none	Score	580
Exons	1401..1775, 1403..1774, 1862..2098, 1864..2082, 2136..2198, 2142..2198, 2185..2373, 2242..2274, 2286..2387, 2287..2388		

Seq. No.	5464	Seq. ID	OJ990412_02.9B16.C62
Gene No.	11385	Strand	+
Start	759	End	996
Name	OJ990412_02.9B16.C62.o1.gs	Method	GENSCAN
Start	759	End	996
GI	none	Score	1
Exons	759..996		

Seq. No.	5465	Seq. ID	OJ990412_02.9B16.C64
Gene No.	11386	Strand	-
Start	1	End	408
Name	OJ990412_02.9B16.C64.o1.np	Method	AAT/NAP
Start	1	End	400
GI	1001955	Score	103
Exons	1..108, 302..400		
GI Descrip.	(U19099) unknown protein [Lycopersicon chilense]		

Seq. No.	5465	Seq. ID	OJ990412_02.9B16.C64
Gene No.	11386	Strand	-
Start	1	End	408
Name	OJ990412_02.9B16.C64.o1.gp	Method	AAT/GAP
Start	56	End	408
GI	286880	Score	227
Exons	56..108, 302..408		
GI Descrip.	1001955 3.0e-53 (U19099) unknown protein [Lycopersicon chilense]		

Seq. No.	5465	Seq. ID	OJ990412_02.9B16.C64
Gene No.	11386	Strand	-
Start	1	End	408
Name	OJ990412_02.9B16.C64.o1.gs	Method	GENSCAN
Start	82	End	391
GI	none	Score	.8
Exons	82..108, 302..391		

Seq. No.	5466	Seq. ID	OJ990412_02.9B16.C65
Gene No.	11387	Strand	+
Start	1	End	359
Name	OJ990412_02.9B16.C65.o1.gp	Method	AAT/GAP
Start	1	End	90
GI	LIB3431-009-P1-K1-H1	Score	168
Exons	1..90		
GI Descrip.	'1001955 3.0e-53 (U19099) unknown protein [Lycopersicon chilense]'		

Seq. No.	5466	Seq. ID	OJ990412_02.9B16.C65
Gene No.	11387	Strand	+
Start	1	End	359
Name	OJ990412_02.9B16.C65.o1.np	Method	AAT/NAP
Start	1	End	359
GI	6093827	Score	199
Exons	1..359		
GI Descrip.	PHOTOSYSTEM II CORE COMPLEX PROTEINS PSBY PRECURSOR (L-ARGININE METABOLISING ENZYME) (L-AME) [CONTAINS: PHOTOSYSTEM II PROTEIN PSBY-1 (PSBY-A1); PHOTOSYSTEM II PROTEIN PSBY-2 (PSBY-A2)] gi|2956690|emb|CAA11248| (AJ223306) PSBY [Arabidopsis thaliana]		

gi|3414928 (AF079800) PsbY precursor [Arabidopsis thaliana]

Seq. No.	5466	Seq. ID	OJ990412_02.9B16.C65
Gene No.	11388	Strand	-
Start	55	End	275
Name	OJ990412_02.9B16.C65.o1.gs	Method	GENSCAN
Start	55	End	275
GI	none	Score	.99
Exons	55..275		

Seq. No.	5467	Seq. ID	OJ990412_02.9B16.C66
Gene No.	11389	Strand	-
Start	167	End	719
Name	OJ990412_02.9B16.C66.o1.tw	Method	TBLASTX:Wheat
Start	156	End	576
GI	none	Score	114
Exons	156..287, 156..287, 166..288, 414..575, 415..576		

Seq. No.	5467	Seq. ID	OJ990412_02.9B16.C66
Gene No.	11389	Strand	-
Start	167	End	719
Name	OJ990412_02.9B16.C66.o1.tm	Method	TBLASTX:Maize
Start	166	End	576
GI	none	Score	131
Exons	166..288, 168..287, 414..575, 415..576		

Seq. No.	5467	Seq. ID	OJ990412_02.9B16.C66
Gene No.	11389	Strand	-
Start	167	End	719
Name	OJ990412_02.9B16.C66.o1.gs	Method	GENSCAN
Start	167	End	719
GI	none	Score	.82
Exons	167..288, 415..719		

Seq. No.	5468	Seq. ID	OJ990412_02.9B16.C67
Gene No.	11390	Strand	+
Start	113	End	685
Name	OJ990412_02.9B16.C67.o1.gs	Method	GENSCAN
Start	113	End	685
GI	none	Score	.55
Exons	113..502, 508..685		

Seq. No.	5469	Seq. ID	OJ990412_02.9B16.C68
Gene No.	11391	Strand	+
Start	102	End	206
Name	OJ990412_02.9B16.C68.o1.gs	Method	GENSCAN
Start	102	End	206
GI	none	Score	.84
Exons	102..206		

Seq. No.	5470	Seq. ID	OJ990412_02.9B16.C71
Gene No.	11392	Strand	
Start	2	End	567
Name	OJ990412_02.9B16.C71.o1.tm	Method	TBLASTX:Maize
Start	2	End	567
GI	none	Score	107
Exons	2..79, 126..218, 200..334, 202..567, 409..567		

Seq. No.	5470	Seq. ID	OJ990412_02.9B16.C71
Gene No.	11392	Strand	
Start	2	End	567
Name	OJ990412_02.9B16.C71.o1.tw	Method	TBLASTX:Wheat
Start	190	End	520
GI	none	Score	58
Exons	190..333, 191..316, 343..519, 344..520		

Seq. No.	5471	Seq. ID	OJ990412_02.9B16.C74
Gene No.	11393	Strand	-
Start	129	End	374
Name	OJ990412_02.9B16.C74.o1.gs	Method	GENSCAN
Start	129	End	374
GI	none	Score	.49
Exons	129..374		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11394	Strand	+
Start	1819	End	5504
Name	OJ990802_09.9B24.C2.o1.gs	Method	GENSCAN
Start	1819	End	5504
GI	none	Score	.66
Exons	1819..1905, 1992..2110, 2816..3188, 3459..3620, 3786..4067, 4121..4527, 4615..4800, 5003..5504		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11394	Strand	+
Start	1819	End	5504
Name	OJ990802_09.9B24.C2.o1.np	Method	AAT/NAP
Start	3804	End	5501
GI	6174838	Score	633
Exons	3804..4556, 4671..4800, 5003..5501		
GI Descrip.	(AB026890) transcription factor NtWRKY4 [Nicotiana tabacum]		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11394	Strand	+
Start	1819	End	5504
Name	OJ990802_09.9B24.C2.o1.gp	Method	AAT/GAP
Start	4716	End	5369
GI	LIB3432-012-P1-K1-F1	Score	791
Exons	4716..4800, 5003..5369		
GI Descrip.	'927025 5.0e-31 (L44134) SPF1-like DNA-binding protein [Cucumis sativus]'		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o5.tm	Method	TBLASTX:Maize
Start	2981	End	4806
GI	none	Score	224
Exons	2981..3175, 2982..3182, 3445..3522, 3452..3526, 3459..3539, 3513..3620, 3516..3620, 3828..3965, 4020..4064, 4301..4468, 4623..4802, 4634..4804, 4634..4801, 4657..4803, 4669..4806		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-

Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o2.tw	Method	TBLASTX:Wheat
Start	4019	End	5160
GI	none	Score	62
Exons	4019..4060, 4020..4064, 4073..4123, 4133..4192, 4679..4804, 4690..4797, 5001..5129, 5003..5128, 5004..5129, 5005..5160		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o5.ts	Method	TBLASTX:Soybean
Start	4020	End	4804
GI	none	Score	62
Exons	4020..4064, 4400..4468, 4675..4800, 4676..4804, 4682..4801		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o1.tc	Method	TBLASTX:Cress
Start	4073	End	5152
GI	none	Score	60
Exons	4073..4123, 4133..4192, 4766..4804, 4769..4801, 5000..5152, 5001..5132		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o4.ts	Method	TBLASTX:Soybean
Start	4079	End	5143
GI	none	Score	52
Exons	4079..4123, 4133..4192, 4987..5118, 4994..5137, 4998..5129, 5002..5142, 5003..5143		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o6.tm	Method	TBLASTX:Maize
Start	4079	End	5402
GI	none	Score	59
Exons	4079..4183, 4169..4192, 5001..5132, 5003..5173, 5004..5174, 5005..5208, 5279..5320, 5373..5402		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o2.gs	Method	GENSCAN
Start	5873	End	10137
GI	none	Score	.61
Exons	5873..5951, 6330..6429, 7357..7480, 7691..7915, 8023..8253, 8534..8847, 9390..9584, 9870..10137		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o2.np	Method	AAT/NAP
Start	5997	End	11079
GI	3953478	Score	1834

Exons	5997..6027, 7759..7915, 8023..8253, 8350..8454, 8534..8988, 9390..9584, 9870..10305, 11029..11079		
GI Descrip.	(AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o1.tm	Method	TBLASTX:Maize
Start	7703	End	8251
GI	none	Score	217
Exons	7703..7918, 7725..7925, 8016..8210, 8020..8220, 8022..8210, 8029..8211, 8144..8221, 8214..8249, 8215..8250, 8215..8250, 8216..8251		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o1.ts	Method	TBLASTX:Soybean
Start	8218	End	8785
GI	5342530	Score	57
Exons	8218..8271, 8219..8254, 8350..8451, 8373..8459, 8534..8785, 8550..8783, 8558..8785		
GI Descrip.	3953478 4.0e-59 (AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o2.tm	Method	TBLASTX:Maize
Start	8383	End	8792
GI	none	Score	49
Exons	8383..8475, 8402..8476, 8507..8788, 8511..8792, 8535..8792		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o1.tw	Method	TBLASTX:Wheat
Start	8763	End	9561
GI	none	Score	359
Exons	8763..8987, 8763..8984, 8765..9004, 8923..9000, 9413..9529, 9413..9520, 9415..9558, 9532..9561, 9536..9559		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o3.ts	Method	TBLASTX:Soybean
Start	8882	End	9669
GI	none	Score	81
Exons	8882..8995, 9376..9669, 9390..9545, 9392..9592		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o3.tm	Method	TBLASTX:Maize
Start	9393	End	9597
GI	none	Score	71
Exons	9393..9524, 9394..9597, 9395..9586, 9448..9594		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o4.tm	Method	TBLASTX:Maize
Start	9985	End	10290
GI	none	Score	73
Exons	9985..10044, 9986..10042, 9986..10051, 9988..10044, 10048..10125, 10048..10128, 10053..10148, 10062..10148, 10167..10274, 10168..10290, 10168..10275, 10169..10276		

Seq. No.	5472	Seq. ID	OJ990802_09.9B24.C2
Gene No.	11395	Strand	-
Start	5873	End	11079
Name	OJ990802_09.9B24.C2.o2.ts	Method	TBLASTX:Soybean
Start	9992	End	10285
GI	none	Score	106
Exons	9992..10105, 9994..10266, 9995..10285, 10000..10125, 10184..10267		

Seq. No.	5473	Seq. ID	OJ990802_09.9B24.C3
Gene No.	11396	Strand	-
Start	1	End	984
Name	OJ990802_09.9B24.C3.o1.np	Method	AAT/NAP
Start	1	End	762
GI	3953478	Score	95
Exons	1..21, 629..762		
GI Descrip.	(AC002328) F22O2.23 [Arabidopsis thaliana]		

Seq. No.	5473	Seq. ID	OJ990802_09.9B24.C3
Gene No.	11396	Strand	-
Start	1	End	984
Name	OJ990802_09.9B24.C3.o1.gs	Method	GENSCAN
Start	121	End	984
GI	none	Score	.59
Exons	121..195, 655..984		

Seq. No.	5473	Seq. ID	OJ990802_09.9B24.C3
Gene No.	11397	Strand	-
Start	2974	End	3806
Name	OJ990802_09.9B24.C3.o2.gs	Method	GENSCAN
Start	2974	End	3725
GI	none	Score	.73
Exons	2974..3128, 3209..3725		

Seq. No.	5473	Seq. ID	OJ990802_09.9B24.C3
Gene No.	11397	Strand	-
Start	2974	End	3806
Name	OJ990802_09.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	3216	End	3806
GI	none	Score	100
Exons	3216..3407, 3489..3806, 3490..3801		

Seq. No.	5474	Seq. ID	OJ990802_09.9B24.C4
Gene No.	11398	Strand	+
Start	1	End	994
Name	OJ990802_09.9B24.C4.o1.np	Method	AAT/NAP
Start	1	End	994

GI	6665543	Score	529
Exons	1..994		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	5474	Seq. ID	OJ990802_09.9B24.C4
Gene No.	11398	Strand	+
Start	1	End	994
Name	OJ990802_09.9B24.C4.o1.tw	Method	TBLASTX:Wheat
Start	113	End	350
GI	none	Score	89
Exons	113..265, 113..265, 114..275, 126..272, 133..288, 290..343, 291..350		

Seq. No.	5474	Seq. ID	OJ990802_09.9B24.C4
Gene No.	11398	Strand	+
Start	1	End	994
Name	OJ990802_09.9B24.C4.o1.tm	Method	TBLASTX:Maize
Start	115	End	827
GI	none	Score	85
Exons	115..282, 116..256, 126..290, 300..614, 314..613, 343..624, 645..725, 708..827		

Seq. No.	5474	Seq. ID	OJ990802_09.9B24.C4
Gene No.	11398	Strand	+
Start	1	End	994
Name	OJ990802_09.9B24.C4.o1.tc	Method	TBLASTX:Cress
Start	120	End	839
GI	none	Score	214
Exons	120..269, 125..253, 282..617, 287..598, 708..839, 761..820		

Seq. No.	5474	Seq. ID	OJ990802_09.9B24.C4
Gene No.	11398	Strand	+
Start	1	End	994
Name	OJ990802_09.9B24.C4.o1.ts	Method	TBLASTX:Soybean
Start	120	End	617
GI	none	Score	200
Exons	120..269, 125..253, 130..288, 145..255, 294..617, 302..616		

Seq. No.	5474	Seq. ID	OJ990802_09.9B24.C4
Gene No.	11398	Strand	+
Start	1	End	994
Name	OJ990802_09.9B24.C4.o1.gs	Method	GENSCAN
Start	277	End	959
GI	none	Score	.62
Exons	277..457, 572..959		

Seq. No.	5474	Seq. ID	OJ990802_09.9B24.C4
Gene No.	11398	Strand	+
Start	1	End	994
Name	OJ990802_09.9B24.C4.o2.tw	Method	TBLASTX:Wheat
Start	351	End	617
GI	none	Score	116
Exons	351..458, 483..617, 488..616		

Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438

Name	OJ990802_09.9B24.C5.o1.gs	Method	GENSCAN
Start	109	End	2348
GI	none	Score	.44
Exons	109..819, 1111..1363, 1960..2348		

Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o2.tw	Method	TBLASTX:Wheat
Start	141	End	537
GI	none	Score	128
Exons	141..239, 142..276, 253..537, 327..524, 328..537		

Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o1.np	Method	AAT/NAP
Start	247	End	2438
GI	6630696	Score	3442
Exons	247..1407, 1447..2438		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o2.tm	Method	TBLASTX:Maize
Start	289	End	599
GI	none	Score	302
Exons	289..597, 328..594, 336..599		

Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o1.gp	Method	AAT/GAP
Start	356	End	1185
GI	101595_1.R1084	Score	1113
Exons	356..995, 1111..1185		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	1087	End	1535
GI	none	Score	364
Exons	1087..1395, 1107..1400, 1110..1394, 1111..1395, 1446..1535, 1468..1533		

Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o2.ts	Method	TBLASTX:Soybean
Start	1483	End	1863
GI	none	Score	90

Exons	1483..1632, 1615..1863		
Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o3.tm	Method	TBLASTX:Maize
Start	1621	End	2084
GI	none	Score	198
Exons	1621..1962, 1959..2084		
Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o3.tw	Method	TBLASTX:Wheat
Start	1728	End	1920
GI	none	Score	256
Exons	1728..1919, 1729..1920		
Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o1.ts	Method	TBLASTX:Soybean
Start	1873	End	2270
GI	none	Score	77
Exons	1873..1962, 1959..2093, 2097..2270		
Seq. No.	5475	Seq. ID	OJ990802_09.9B24.C5
Gene No.	11399	Strand	+
Start	109	End	2438
Name	OJ990802_09.9B24.C5.o1.tw	Method	TBLASTX:Wheat
Start	1921	End	2438
GI	none	Score	53
Exons	1921..1962, 1929..1961, 1939..2049, 1949..2389, 1958..2425, 1959..2438		
Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11400	Strand	+
Start	1	End	1312
Name	OJ990802_09.9B24.C6.o1.np	Method	AAT/NAP
Start	1	End	1309
GI	6630696	Score	2072
Exons	1..1309		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		
Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11400	Strand	+
Start	1	End	1312
Name	OJ990802_09.9B24.C6.o1.gs	Method	GENSCAN
Start	97	End	1312
GI	none	Score	.59
Exons	97..325, 492..1312		
Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11401	Strand	+
Start	2618	End	4191

Name	OJ990802_09.9B24.C6.o1.gp	Method	AAT/GAP
Start	2188	End	2413
GI	426253	Score	380
Exons	2188..2413		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11401	Strand	+
Start	2618	End	4191
Name	OJ990802_09.9B24.C6.o2.gs	Method	GENSCAN
Start	2618	End	4191
GI	none	Score	.46
Exons	2618..2727, 2964..3292, 3459..3500, 4049..4191		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11402	Strand	+
Start	4824	End	6735
Name	OJ990802_09.9B24.C6.o3.np	Method	AAT/NAP
Start	4794	End	6735
GI	4826399	Score	182
Exons	4794..5658, 6570..6661, 6713..6735		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11402	Strand	+
Start	4824	End	6735
Name	OJ990802_09.9B24.C6.o3.gs	Method	GENSCAN
Start	4824	End	6199
GI	none	Score	.6
Exons	4824..5658, 6071..6199		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11402	Strand	+
Start	4824	End	6735
Name	OJ990802_09.9B24.C6.o4.np	Method	AAT/NAP
Start	6071	End	6735
GI	6678720	Score	67
Exons	6071..6164, 6538..6735		
GI Descrip.	low density lipoprotein receptor related protein gi|49942|emb|CAA47817| (X67469) AM2 receptor [Mus musculus]		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11403	Strand	-
Start	2573	End	3084
Name	OJ990802_09.9B24.C6.o1.ts	Method	TBLASTX:Soybean
Start	7	End	369
GI	none	Score	244
Exons	7..324, 192..260, 340..369		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11403	Strand	-
Start	2573	End	3084
Name	OJ990802_09.9B24.C6.o2.tm	Method	TBLASTX:Maize
Start	7	End	390
GI	none	Score	286
Exons	7..390, 192..302		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6

Gene No.	11403	Strand	-
Start	2573	End	3084
Name	OJ990802_09.9B24.C6.o2.tw	Method	TBLASTX:Wheat
Start	13	End	466
GI	none	Score	238
Exons	13..285, 280..369, 350..466		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11403	Strand	-
Start	2573	End	3084
Name	OJ990802_09.9B24.C6.o1.tm	Method	TBLASTX:Maize
Start	493	End	841
GI	none	Score	325
Exons	493..840, 494..841, 500..841		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11403	Strand	-
Start	2573	End	3084
Name	OJ990802_09.9B24.C6.o1.tw	Method	TBLASTX:Wheat
Start	698	End	1173
GI	none	Score	92
Exons	698..772, 698..763, 703..771, 787..1173, 788..1171		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11403	Strand	-
Start	2573	End	3084
Name	OJ990802_09.9B24.C6.o2.ts	Method	TBLASTX:Soybean
Start	704	End	1045
GI	none	Score	94
Exons	704..817, 739..807, 836..1045, 841..966		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11403	Strand	-
Start	2573	End	3084
Name	OJ990802_09.9B24.C6.o3.tm	Method	TBLASTX:Maize
Start	1183	End	1491
GI	none	Score	117
Exons	1183..1272, 1184..1273, 1184..1273, 1185..1274, 1312..1422, 1323..1421, 1429..1488, 1465..1491		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11403	Strand	-
Start	2573	End	3084
Name	OJ990802_09.9B24.C6.o3.tw	Method	TBLASTX:Wheat
Start	1496	End	1805
GI	none	Score	85
Exons	1496..1603, 1521..1619, 1522..1590, 1602..1664, 1603..1665, 1676..1804, 1679..1732, 1776..1805		

Seq. No.	5476	Seq. ID	OJ990802_09.9B24.C6
Gene No.	11403	Strand	-
Start	2573	End	3084
Name	OJ990802_09.9B24.C6.o2.np	Method	AAT/NAP
Start	2573	End	3084
GI	769706	Score	100
Exons	2573..2660, 2950..3084		
GI Descrip.	(D32052) ORF74 [Oryza sativa]		

Seq. No.	5477	Seq. ID	OJ990802_09.9B24.C7
Gene No.	11404	Strand	+
Start	1	End	1660
Name	OJ990802_09.9B24.C7.o1.np	Method	AAT/NAP
Start	1	End	1660
GI	6665543	Score	369
Exons	1..590, 1638..1660		
GI Descrip.	(AC013289) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	5477	Seq. ID	OJ990802_09.9B24.C7
Gene No.	11404	Strand	+
Start	1	End	1660
Name	OJ990802_09.9B24.C7.o1.tw	Method	TBLASTX:Wheat
Start	2	End	369
GI	none	Score	133
Exons	2..175, 235..369, 267..365		

Seq. No.	5477	Seq. ID	OJ990802_09.9B24.C7
Gene No.	11404	Strand	+
Start	1	End	1660
Name	OJ990802_09.9B24.C7.o1.ts	Method	TBLASTX:Soybean
Start	38	End	369
GI	none	Score	165
Exons	38..184, 50..184, 178..369, 187..348, 267..365		

Seq. No.	5477	Seq. ID	OJ990802_09.9B24.C7
Gene No.	11404	Strand	+
Start	1	End	1660
Name	OJ990802_09.9B24.C7.o1.tc	Method	TBLASTX:Cress
Start	41	End	579
GI	none	Score	149
Exons	41..166, 184..363, 186..350, 466..579		

Seq. No.	5477	Seq. ID	OJ990802_09.9B24.C7
Gene No.	11404	Strand	+
Start	1	End	1660
Name	OJ990802_09.9B24.C7.o1.tm	Method	TBLASTX:Maize
Start	41	End	564
GI	none	Score	161
Exons	41..184, 47..175, 183..218, 184..390, 270..374, 481..564, 501..560		

Seq. No.	5477	Seq. ID	OJ990802_09.9B24.C7
Gene No.	11404	Strand	+
Start	1	End	1660
Name	OJ990802_09.9B24.C7.o1.gs	Method	GENSCAN
Start	224	End	720
GI	none	Score	.52
Exons	224..720		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11405	Strand	+
Start	10227	End	14232
Name	OJ990802_09.9B24.C8.o1.np	Method	AAT/NAP
Start	10227	End	14225
GI	417154	Score	3499

Exons	10227..10352, 11419..11841, 12678..14225		
GI Descrip.	HEAT SHOCK PROTEIN 82 gi|100685|pir||S25541 heat shock protein 82 - rice (strain Taichung Native One) gi|20256|emb|CAA77978| (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]		
Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11405	Strand	+
Start	10227	End	14232
Name	OJ990802_09.9B24.C8.o3.gs	Method	GENSCAN
Start	10227	End	14228
GI	none	Score	.97
Exons	10227..10352, 11419..11841, 12678..14228		
Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11405	Strand	+
Start	10227	End	14232
Name	OJ990802_09.9B24.C8.o5.gp	Method	AAT/GAP
Start	12746	End	14232
GI	269_1.R1084	Score	2722
Exons	12746..14232		
GI Descrip.	'417154/sp|P33126|HS82_ORYSA 0.0e+00 HEAT SHOCK PROTEIN 82 >gi_100685_pir__S25541 heat shock protein 82 - rice (strain Taichung Native One) >gi_20256_emb_CAA77978_ (Z11920) heat shock protein 82 (HSP82) [Oryza sativa]'		
Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11406	Strand	-
Start	20	End	1959
Name	OJ990802_09.9B24.C8.o1.gs	Method	GENSCAN
Start	20	End	1959
GI	none	Score	.72
Exons	20..133, 256..382, 591..767, 1407..1518, 1617..1959		
Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11407	Strand	-
Start	2672	End	8290
Name	OJ990802_09.9B24.C8.o2.gs	Method	GENSCAN
Start	2672	End	8290
GI	none	Score	.67
Exons	2672..2877, 2921..2960, 3053..4102, 4561..4647, 5477..5689, 5792..6038, 6854..6922, 7491..7625, 8130..8290		
Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11407	Strand	-
Start	2672	End	8290
Name	OJ990802_09.9B24.C8.o1.gp	Method	AAT/GAP
Start	3420	End	3968
GI	none	Score	996
Exons	3420..3968		
Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11407	Strand	-
Start	2672	End	8290
Name	OJ990802_09.9B24.C8.o2.gp	Method	AAT/GAP
Start	3973	End	4262
GI	none	Score	326
Exons	3973..4102, 4196..4262		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11407	Strand	-
Start	2672	End	8290
Name	OJ990802_09.9B24.C8.o3.gp	Method	AAT/GAP
Start	4016	End	4310
GI	none	Score	238
Exons	4016..4102, 4196..4310		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11407	Strand	-
Start	2672	End	8290
Name	OJ990802_09.9B24.C8.o4.gp	Method	AAT/GAP
Start	6460	End	6711
GI	none	Score	484
Exons	6460..6711		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o4.tc	Method	TBLASTX:Cress
Start	14	End	1717
GI	none	Score	114
Exons	14..73, 89..145, 254..385, 254..382, 256..384, 585..758, 587..769, 614..769, 1445..1516, 1446..1517, 1621..1716, 1628..1717		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o3.ts	Method	TBLASTX:Soybean
Start	17	End	1714
GI	none	Score	135
Exons	17..136, 248..385, 256..384, 587..769, 591..770, 1449..1538, 1454..1516, 1621..1713, 1628..1714		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o5.tm	Method	TBLASTX:Maize
Start	600	End	1499
GI	none	Score	190
Exons	600..770, 602..757, 605..787, 606..770, 1406..1480, 1407..1499, 1430..1498		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o2.ts	Method	TBLASTX:Soybean
Start	2658	End	3436
GI	none	Score	120
Exons	2658..2825, 2681..2821, 2698..2823, 2880..2948, 3053..3232, 3057..3233, 3215..3307, 3413..3436		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997

Name	OJ990802_09.9B24.C8.o4.tm	Method	TBLASTX:Maize
Start	2672	End	3274
GI	none	Score	204
Exons	2672..2821, 2673..2825, 2674..2829, 2889..2963, 2923..2961, 3066..3173, 3068..3142, 3075..3158, 3125..3274, 3156..3245, 3160..3270		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o6.tw	Method	TBLASTX:Wheat
Start	3053	End	3222
GI	none	Score	195
Exons	3053..3220, 3054..3221, 3055..3222		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o5.tw	Method	TBLASTX:Wheat
Start	3262	End	3853
GI	none	Score	69
Exons	3262..3345, 3263..3328, 3286..3336, 3400..3429, 3403..3441, 3404..3436, 3417..3503, 3418..3492, 3419..3520, 3440..3520, 3515..3535, 3518..3604, 3527..3688, 3527..3685, 3564..3722, 3564..3812, 3565..3813, 3803..3853		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o2.tm	Method	TBLASTX:Maize
Start	3401	End	6056
GI	none	Score	105
Exons	3401..3463, 3569..3706, 3573..3692, 3574..3702, 3578..3613, 3748..3858, 3764..3829, 3868..4104, 3894..4106, 3896..4105, 4189..4242, 4193..4249, 4197..4250, 4351..4461, 4359..4460, 4364..4465, 4560..4649, 4561..4695, 4562..4648, 4731..4751, 4732..4758, 4752..4814, 4753..4812, 4758..4814, 5465..5692, 5466..5690, 5477..5701, 5479..5700, 5771..6043, 5793..6044, 5796..6056		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o3.tc	Method	TBLASTX:Cress
Start	4013	End	4769
GI	none	Score	63
Exons	4013..4105, 4044..4103, 4193..4249, 4196..4246, 4363..4461, 4364..4468, 4561..4650, 4562..4648, 4731..4769		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o5.ts	Method	TBLASTX:Soybean
Start	5582	End	6056
GI	none	Score	40
Exons	5582..5623, 5586..5621, 5624..5698, 5640..5681, 5778..6056, 5786..6007		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o1.ts	Method	TBLASTX:Soybean
Start	10203	End	14228
GI	none	Score	155
Exons	10203..10352, 10250..10351, 10256..10354, 11416..11523, 11419..11520, 11424..11522, 11521..11580, 11531..11554, 11562..11651, 11566..11667, 11569..11655, 11647..11844, 11655..11831, 11711..11848, 12684..12758, 12686..12796, 12908..13111, 12908..13099, 12909..13142, 12972..13142, 13161..13226, 13233..13298, 13235..13531, 13235..13306, 13236..13667, 13336..13506, 13359..13517, 13496..13552, 13609..13650, 13647..13682, 13654..13701, 13767..14141, 13779..13976, 13829..14113, 14187..14228		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o1.tc	Method	TBLASTX:Cress
Start	10218	End	14228
GI	none	Score	189
Exons	10218..10352, 10235..10354, 10241..10351, 11419..11844, 11462..11587, 11468..11845, 11487..11831, 11711..11833, 12675..12758, 12675..12773, 12680..12796, 12727..12780, 12884..13531, 12894..13682, 12895..13506, 13359..13517, 13496..13552, 13606..13686, 13637..14113, 13767..14198, 14193..14228		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o1.tm	Method	TBLASTX:Maize
Start	10218	End	14237
GI	none	Score	203
Exons	10218..10352, 10223..10354, 10238..10351, 11419..11844, 11462..11587, 11484..11831, 11642..11839, 12675..12758, 12684..12773, 12730..12786, 12884..13531, 12894..13682, 12895..12921, 12905..13099, 12970..13503, 13359..13517, 13370..13552, 13606..13689, 13637..14119, 13767..14237, 14199..14231		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o3.tw	Method	TBLASTX:Wheat
Start	10220	End	11665
GI	none	Score	208
Exons	10220..10354, 10238..10351, 11419..11661, 11421..11663, 11422..11664, 11468..11665		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o2.tw	Method	TBLASTX:Wheat
Start	12675	End	13124

GI	none	Score	139
Exons	12675..12761, 12675..12773, 12680..12790, 12727..12786, 12894..13124, 12895..12921, 12905..13099, 12972..13124		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o1.tw	Method	TBLASTX:Wheat
Start	13202	End	14027
GI	none	Score	785
Exons	13202..13306, 13203..13682, 13336..13503, 13359..13517, 13370..13552, 13606..13704, 13767..14027, 13779..13976, 13829..14026		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o4.gs	Method	GENSCAN
Start	15654	End	17357
GI	none	Score	.96
Exons	15654..17357		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o2.np	Method	AAT/NAP
Start	15655	End	18587
GI	5738365	Score	853
Exons	15655..16767, 16957..17316, 18481..18587		
GI Descrip.	(AL021711) putative protein [Arabidopsis thaliana]		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o3.tm	Method	TBLASTX:Maize
Start	15666	End	17018
GI	none	Score	126
Exons	15666..15836, 15810..16262, 15835..16149, 16068..16262, 16089..16262, 16302..16577, 16329..16427, 16407..16595, 16407..16577, 16416..16580, 16416..16505, 16518..16670, 16551..16673, 16602..16688, 16647..16862, 16689..16862, 16701..16865, 16709..16750, 16749..16811, 16794..16877, 16899..17018		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o4.ts	Method	TBLASTX:Soybean
Start	15840	End	16139
GI	none	Score	118
Exons	15840..16106, 15840..16139, 15946..16137		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o4.tw	Method	TBLASTX:Wheat
Start	15955	End	16874

GI	none	Score	143
Exons	15955..16272, 15957..16271, 16017..16133, 16047..16109, 16287..16406, 16303..16401, 16326..16409, 16413..16589, 16494..16706, 16701..16874		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o2.tc	Method	TBLASTX:Cress
Start	15981	End	17025
GI	none	Score	57
Exons	15981..16112, 16009..16086, 16017..16226, 16101..16271, 16104..16271, 16104..16259, 16113..16289, 16284..16403, 16284..16403, 16329..16574, 16407..16520, 16407..16670, 16422..16691, 16497..16616, 16500..16667, 16602..16691, 16698..16730, 16698..16877, 16701..16874, 16701..16883, 16759..16878, 16884..17024, 16966..17025		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o6.ts	Method	TBLASTX:Soybean
Start	16161	End	16883
GI	none	Score	76
Exons	16161..16238, 16374..16622, 16398..16538, 16465..16620, 16491..16688, 16497..16673, 16692..16883, 16695..16823		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o6.gp	Method	AAT/GAP
Start	17679	End	17767
GI	LIB3477-003-P1-K1-E9	Score	98
Exons	17679..17767		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o5.gs	Method	GENSCAN
Start	18321	End	19997
GI	none	Score	.93
Exons	18321..19997		

Seq. No.	5478	Seq. ID	OJ990802_09.9B24.C8
Gene No.	11408	Strand	-
Start	15654	End	19997
Name	OJ990802_09.9B24.C8.o7.gp	Method	AAT/GAP
Start	18945	End	19331
GI	568457	Score	767
Exons	18945..19331		

Seq. No.	5479	Seq. ID	OJ990802_09.9B24.C9
Gene No.	11409	Strand	-
Start	17	End	1869

Name	OJ990802_09.9B24.C9.o1.gs	Method	GENSCAN
Start	17	End	1869
GI	none	Score	.68
Exons	17..194, 306..451, 1842..1869		

Seq. No.	5480	Seq. ID	OJ990802_09.9B24.C10
Gene No.	11410	Strand	+
Start	3706	End	4483
Name	OJ990802_09.9B24.C10.o1.gp	Method	AAT/GAP
Start	3682	End	4035
GI	none	Score	684
Exons	3682..4035		

Seq. No.	5480	Seq. ID	OJ990802_09.9B24.C10
Gene No.	11410	Strand	+
Start	3706	End	4483
Name	OJ990802_09.9B24.C10.o1.np	Method	AAT/NAP
Start	3706	End	4483
GI	6728987	Score	112
Exons	3706..3845, 3916..4032, 4460..4483		
GI Descrip.	(AC018363) putative protein phosphatase-2C (PP2C) [Arabidopsis thaliana]		

Seq. No.	5480	Seq. ID	OJ990802_09.9B24.C10
Gene No.	11410	Strand	+
Start	3706	End	4483
Name	OJ990802_09.9B24.C10.o2.gs	Method	GENSCAN
Start	3706	End	4032
GI	none	Score	.59
Exons	3706..4032		

Seq. No.	5481	Seq. ID	OJ990802_09.9B24.C11
Gene No.	11411	Strand	+
Start	930	End	2778
Name	OJ990802_09.9B24.C11.o1.np	Method	AAT/NAP
Start	930	End	2775
GI	4966343	Score	1079
Exons	930..1340, 1465..1582, 1786..2009, 2224..2466, 2533..2775		
GI Descrip.	(AC006341) Is a member of PF|00481 Protein phosphatase 2C family. [Arabidopsis thaliana]		

Seq. No.	5481	Seq. ID	OJ990802_09.9B24.C11
Gene No.	11411	Strand	+
Start	930	End	2778
Name	OJ990802_09.9B24.C11.o1.gs	Method	GENSCAN
Start	969	End	2778
GI	none	Score	.94
Exons	969..1340, 1465..1582, 1786..2009, 2224..2778		

Seq. No.	5481	Seq. ID	OJ990802_09.9B24.C11
Gene No.	11412	Strand	-
Start	2835	End	3164
Name	OJ990802_09.9B24.C11.o1.tm	Method	TBLASTX:Maize
Start	887	End	1277
GI	none	Score	40
Exons	887..910, 935..1132, 938..1132, 939..1136, 963..1133, 1134..1277, 1211..1276, 1251..1277		

Seq. No.	5481	Seq. ID	OJ990802_09.9B24.C11
Gene No.	11412	Strand	-
Start	2835	End	3164
Name	OJ990802_09.9B24.C11.o1.tc	Method	TBLASTX:Cress
Start	1236	End	2015
GI	none	Score	140
Exons	1236..1340, 1238..1339, 1453..1584, 1464..1580, 1755..1988, 1787..1987, 1806..1988, 1974..2015		

Seq. No.	5481	Seq. ID	OJ990802_09.9B24.C11
Gene No.	11412	Strand	-
Start	2835	End	3164
Name	OJ990802_09.9B24.C11.o2.tm	Method	TBLASTX:Maize
Start	1278	End	2406
GI	none	Score	75
Exons	1278..1340, 1453..1584, 1471..1581, 1473..1583, 1755..2015, 1787..2047, 1789..2052, 2222..2377, 2224..2406, 2224..2382, 2337..2384		

Seq. No.	5481	Seq. ID	OJ990802_09.9B24.C11
Gene No.	11412	Strand	-
Start	2835	End	3164
Name	OJ990802_09.9B24.C11.o1.ts	Method	TBLASTX:Soybean
Start	1531	End	2388
GI	none	Score	70
Exons	1531..1581, 1686..1745, 1787..2008, 1788..2015, 2224..2265, 2226..2264, 2247..2387, 2302..2388		

Seq. No.	5481	Seq. ID	OJ990802_09.9B24.C11
Gene No.	11412	Strand	-
Start	2835	End	3164
Name	OJ990802_09.9B24.C11.o1.gp	Method	AAT/GAP
Start	2835	End	3164
GI	none	Score	656
Exons	2835..3164		

Seq. No.	5482	Seq. ID	OJ990802_09.9B24.C12
Gene No.	11413	Strand	+
Start	323	End	2987
Name	OJ990802_09.9B24.C12.o1.np	Method	AAT/NAP
Start	323	End	2503
GI	3128167	Score	635
Exons	323..474, 1160..1317, 1469..1897, 1949..2503		
GI Descrip.	(AC004521) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5482	Seq. ID	OJ990802_09.9B24.C12
Gene No.	11413	Strand	+
Start	323	End	2987
Name	OJ990802_09.9B24.C12.o1.gs	Method	GENSCAN
Start	332	End	2987
GI	none	Score	.68
Exons	332..479, 1463..2502, 2886..2987		

Seq. No.	5482	Seq. ID	OJ990802_09.9B24.C12
Gene No.	11413	Strand	+
Start	323	End	2987

Name	OJ990802_09.9B24.C12.o1.gp	Method	AAT/GAP
Start	380	End	1792
GI	5657_1.R1084	Score	1002
Exons	380..479, 1156..1317, 1463..1792		
GI Descrip.	'3128167 2.0e-15 (AC004521) hypothetical protein [Arabidopsis thaliana] >gi_3212874 (AC004005) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5482	Seq. ID	OJ990802_09.9B24.C12
Gene No.	11414	Strand	-
Start	2272	End	2678
Name	OJ990802_09.9B24.C12.o1.ts	Method	TBLASTX:Soybean
Start	336	End	2470
GI	none	Score	72
Exons	336..392, 1156..1320, 1177..1314, 1179..1316, 2183..2305, 2225..2332, 2366..2470, 2395..2466		

Seq. No.	5482	Seq. ID	OJ990802_09.9B24.C12
Gene No.	11414	Strand	-
Start	2272	End	2678
Name	OJ990802_09.9B24.C12.o1.tm	Method	TBLASTX:Maize
Start	1153	End	1957
GI	none	Score	265
Exons	1153..1320, 1153..1314, 1179..1319, 1506..1583, 1536..1577, 1580..1642, 1582..1659, 1619..1711, 1631..1744, 1637..1711, 1686..1805, 1691..1762, 1827..1895, 1853..1957, 1868..1903, 1871..1930, 1905..1937, 1911..1937		

Seq. No.	5482	Seq. ID	OJ990802_09.9B24.C12
Gene No.	11414	Strand	-
Start	2272	End	2678
Name	OJ990802_09.9B24.C12.o2.tm	Method	TBLASTX:Maize
Start	2249	End	2507
GI	none	Score	83
Exons	2249..2332, 2256..2324, 2347..2469, 2348..2470, 2348..2473, 2352..2474, 2475..2507		

Seq. No.	5482	Seq. ID	OJ990802_09.9B24.C12
Gene No.	11414	Strand	-
Start	2272	End	2678
Name	OJ990802_09.9B24.C12.o2.gp	Method	AAT/GAP
Start	2272	End	2678
GI	uC-osrocyp006h08a1	Score	798
Exons	2272..2678		
GI Descrip.	'3128167 7.0e-14 (AC004521) hypothetical protein [Arabidopsis thaliana] >gi_3212874 (AC004005) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5483	Seq. ID	OJ990802_09.9B24.C13
Gene No.	11415	Strand	+
Start	69	End	257
Name	OJ990802_09.9B24.C13.o1.gs	Method	GENSCAN
Start	69	End	257
GI	none	Score	.68
Exons	69..257		

Seq. No.	5483	Seq. ID	OJ990802_09.9B24.C13

Gene No.	11416	Strand	+
Start	932	End	1377
Name	OJ990802_09.9B24.C13.o1.gp	Method	AAT/GAP
Start	932	End	1377
GI	none	Score	853
Exons	932..1377		

Seq. No.	5483	Seq. ID	OJ990802_09.9B24.C13
Gene No.	11417	Strand	-
Start	1050	End	4630
Name	OJ990802_09.9B24.C13.o2.gs	Method	GENSCAN
Start	1050	End	4117
GI	none	Score	.62
Exons	1050..1089, 1321..1395, 1650..1744, 2225..2290, 3198..3440, 3665..3795, 4045..4117		

Seq. No.	5483	Seq. ID	OJ990802_09.9B24.C13
Gene No.	11417	Strand	-
Start	1050	End	4630
Name	OJ990802_09.9B24.C13.o1.tc	Method	TBLASTX:Cress
Start	1314	End	4629
GI	none	Score	71
Exons	1314..1406, 1315..1458, 1650..1745, 1652..1747, 2220..2291, 2225..2293, 3189..3428, 3192..3425, 3199..3417, 3213..3389, 3659..3775, 3681..3773, 4029..4112, 4046..4132, 4046..4132, 4047..4133, 4536..4628, 4546..4629		

Seq. No.	5483	Seq. ID	OJ990802_09.9B24.C13
Gene No.	11417	Strand	-
Start	1050	End	4630
Name	OJ990802_09.9B24.C13.o1.np	Method	AAT/NAP
Start	1320	End	4630
GI	3806016	Score	891
Exons	1320..1395, 1650..1744, 2225..2290, 3198..3422, 3665..3774, 4045..4129, 4551..4630		
GI Descrip.	(AF053104) peroxisomal targeting signal 1 receptor; PTS1 receptor; Pex5p [Nicotiana tabacum]		

Seq. No.	5483	Seq. ID	OJ990802_09.9B24.C13
Gene No.	11417	Strand	-
Start	1050	End	4630
Name	OJ990802_09.9B24.C13.o1.ts	Method	TBLASTX:Soybean
Start	1320	End	3428
GI	none	Score	104
Exons	1320..1406, 1650..1745, 1652..1747, 1652..1747, 2220..2291, 2225..2293, 3188..3388, 3189..3428, 3192..3407, 3199..3408		

Seq. No.	5483	Seq. ID	OJ990802_09.9B24.C13
Gene No.	11417	Strand	-
Start	1050	End	4630
Name	OJ990802_09.9B24.C13.o1.tm	Method	TBLASTX:Maize
Start	1326	End	4630
GI	none	Score	72
Exons	1326..1394, 1326..1406, 1327..1395, 1646..1747, 1652..1747, 1653..1754, 1654..1755, 2225..2293, 2226..2291, 3192..3422, 3194..3268, 3198..3317, 3199..3423, 3213..3389, 3237..3428, 3351..3425, 3662..3775, 3663..3773, 4030..4131, 4046..4132,		

4046..4132, 4047..4133, 4536..4628, 4545..4628, 4546..4629, 4550..4630

Seq. No.	5483	Seq. ID	OJ990802_09.9B24.C13
Gene No.	11417	Strand	-
Start	1050	End	4630
Name	OJ990802_09.9B24.C13.o2.gp	Method	AAT/GAP
Start	1422	End	4630
GI	32009_1.R1084	Score	1173
Exons	1422..1439, 1650..1744, 2225..2290, 3198..3422, 3665..3774, 4045..4129, 4551..4630		
GI Descrip.	'3806016 1.0e-123 (AF053104) peroxisomal targeting signal 1 receptor; PTS1 receptor; Pex5p [Nicotiana tabacum]'		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11418	Strand	+
Start	5158	End	9067
Name	OJ990802_09.9B24.C14.o2.gp	Method	AAT/GAP
Start	5077	End	5686
GI	875_1.R1084	Score	875
Exons	5077..5500, 5602..5686		
GI Descrip.	'2982463/emb|CAA18227.1| 2.0e-33 (AL022223) putative protein [Arabidopsis thaliana]'		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11418	Strand	+
Start	5158	End	9067
Name	OJ990802_09.9B24.C14.o2.gs	Method	GENSCAN
Start	5158	End	9067
GI	none	Score	.8
Exons	5158..5500, 5602..5690, 6414..6507, 6885..6946, 7618..7673, 7961..8031, 8961..9067		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11418	Strand	+
Start	5158	End	9067
Name	OJ990802_09.9B24.C14.o2.np	Method	AAT/NAP
Start	5224	End	8042
GI	2982463	Score	848
Exons	5224..5500, 5602..5690, 6414..6507, 6885..6946, 7027..7105, 7433..7533, 7618..7673, 7961..8042		
GI Descrip.	(AL022223) putative protein [Arabidopsis thaliana]		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11418	Strand	+
Start	5158	End	9067
Name	OJ990802_09.9B24.C14.o3.gp	Method	AAT/GAP
Start	6893	End	8097
GI	uC-osrocyp017d02b1	Score	916
Exons	6893..6946, 7027..7105, 7209..7301, 7433..7533, 7618..7673, 7961..8097		
GI Descrip.	'2982463/emb|CAA18227.1| 1.0e-29 (AL022223) putative protein [Arabidopsis thaliana]'		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11419	Strand	+
Start	17722	End	20371

Name	OJ990802_09.9B24.C14.o5.np	Method	AAT/NAP
Start	17722	End	20371
GI	2792220	Score	137
Exons	17722..18460, 20286..20371		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11420	Strand	+
Start	27504	End	27948
Name	OJ990802_09.9B24.C14.o6.gp	Method	AAT/GAP
Start	27504	End	27948
GI	none	Score	826
Exons	27504..27948		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11421	Strand	+
Start	27875	End	28425
Name	OJ990802_09.9B24.C14.o7.gp	Method	AAT/GAP
Start	27875	End	28425
GI	none	Score	953
Exons	27875..28425		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11422	Strand	-
Start	1	End	4210
Name	OJ990802_09.9B24.C14.o1.np	Method	AAT/NAP
Start	1	End	4210
GI	3806016	Score	536
Exons	1..25, 1042..1155, 1435..1683, 1821..2210, 2380..2423, 4034..4210		
GI Descrip.	(AF053104) peroxisomal targeting signal 1 receptor; PTS1 receptor; Pex5p [Nicotiana tabacum]		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11422	Strand	-
Start	1	End	4210
Name	OJ990802_09.9B24.C14.o1.gs	Method	GENSCAN
Start	1042	End	4210
GI	none	Score	.94
Exons	1042..1155, 1435..1683, 1919..1969, 2349..2477, 4094..4210		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11422	Strand	-
Start	1	End	4210
Name	OJ990802_09.9B24.C14.o1.gp	Method	AAT/GAP
Start	1621	End	2439
GI	66330_1.R1084	Score	861
Exons	1621..1683, 1821..2014, 2122..2278, 2349..2439		
GI Descrip.	'3193234 1.0e-24 (AF068690) peroxisomal targeting signal-1 receptor [Citrullus lanatus]'		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11423	Strand	-
Start	9170	End	11900
Name	OJ990802_09.9B24.C14.o3.np	Method	AAT/NAP
Start	9170	End	11900
GI	3953481	Score	927

Exons	9170..9197, 9525..10850, 11039..11150, 11433..11638, 11754..11900		
GI Descrip.	(AC002328) F22O2.26 [Arabidopsis thaliana]		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11424	Strand	-
Start	14623	End	16294
Name	OJ990802_09.9B24.C14.o4.np	Method	AAT/NAP
Start	14623	End	16294
GI	5902386	Score	981
Exons	14623..14652, 14953..16135, 16257..16294		
GI Descrip.	(AC009322) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11425	Strand	-
Start	21392	End	21941
Name	OJ990802_09.9B24.C14.o4.gp	Method	AAT/GAP
Start	21392	End	21941
GI	none	Score	1063
Exons	21392..21941		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11426	Strand	-
Start	24333	End	25074
Name	OJ990802_09.9B24.C14.o4.gs	Method	GENSCAN
Start	24333	End	25074
GI	none	Score	.72
Exons	24333..24508, 24612..25074		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11427	Strand	-
Start	26170	End	26318
Name	OJ990802_09.9B24.C14.o5.gp	Method	AAT/GAP
Start	26170	End	26318
GI	5003458	Score	255
Exons	26170..26318		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o3.tm	Method	TBLASTX:Maize
Start	1001	End	2016
GI	none	Score	122
Exons	1001..1135, 1018..1176, 1018..1158, 1435..1656, 1436..1642, 1639..1686, 1649..1684, 1815..1925, 1816..1926, 1819..1944, 1832..1942, 1923..2015, 1926..2015, 1963..2016		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o5.tc	Method	TBLASTX:Cress
Start	1018	End	4186
GI	none	Score	66
Exons	1018..1131, 1018..1158, 1417..1527, 1436..1504, 1567..1686, 1807..2025, 1815..2015, 4094..4186		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14

Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o6.tm	Method	TBLASTX:Maize
Start	2193	End	4213
GI	none	Score	87
Exons	2193..2279, 2198..2278, 2347..2448, 2348..2449, 2349..2450, 2349..2453, 2350..2451, 2454..2480, 2455..2481, 4094..4210, 4095..4190, 4190..4213		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o1.tm	Method	TBLASTX:Maize
Start	5151	End	5693
GI	none	Score	48
Exons	5151..5186, 5152..5187, 5235..5315, 5248..5310, 5361..5498, 5362..5499, 5374..5505, 5601..5684, 5602..5685, 5603..5686, 5603..5686, 5604..5693		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o1.ts	Method	TBLASTX:Soybean
Start	5232	End	7264
GI	none	Score	103
Exons	5232..5306, 5248..5310, 5367..5498, 5368..5499, 5392..5505, 5602..5685, 5603..5695, 5604..5693, 6414..6506, 6414..6518, 6883..6945, 6893..6946, 7009..7104, 7025..7090, 7026..7100, 7203..7259, 7208..7264, 7210..7260		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o2.tc	Method	TBLASTX:Cress
Start	5241	End	6467
GI	none	Score	103
Exons	5241..5291, 5248..5310, 5361..5498, 5362..5499, 5386..5505, 5602..5682, 5603..5695, 5604..5693, 6414..6467		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o3.tc	Method	TBLASTX:Cress
Start	6883	End	8045
GI	none	Score	66
Exons	6883..6945, 6893..6946, 7009..7104, 7026..7100, 7208..7315, 7209..7259, 7211..7303, 7410..7535, 7432..7533, 7611..7673, 7618..7671, 7959..8024, 8016..8045		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o2.tm	Method	TBLASTX:Maize
Start	6888	End	8090
GI	none	Score	82
Exons	6888..6944, 6893..6946, 6893..6949, 7009..7122, 7024..7074, 7026..7109, 7219..7302, 7220..7303, 7223..7303, 7411..7533,		

7412..7549, 7422..7535, 7590..7673, 7618..7671, 7959..8048,
7959..8090

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o4.tc	Method	TBLASTX:Cress
Start	9533	End	10093
GI	none	Score	270
Exons	9533..9595, 9614..9748, 9716..10093		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o6.tc	Method	TBLASTX:Cress
Start	10097	End	10456
GI	none	Score	68
Exons	10097..10267, 10271..10429, 10286..10456		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o4.tm	Method	TBLASTX:Maize
Start	10115	End	10537
GI	none	Score	139
Exons	10115..10261, 10116..10262, 10278..10430, 10278..10430, 10280..10438, 10455..10505, 10457..10537, 10458..10511		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o1.tc	Method	TBLASTX:Cress
Start	14981	End	15988
GI	none	Score	193
Exons	14981..15385, 15140..15340, 15272..15583, 15416..15652, 15635..15841, 15680..15988		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o2.ts	Method	TBLASTX:Soybean
Start	15047	End	15808
GI	none	Score	80
Exons	15047..15661, 15150..15383, 15474..15638, 15500..15808		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o5.tm	Method	TBLASTX:Maize
Start	15050	End	15796
GI	none	Score	71
Exons	15050..15469, 15050..15364, 15053..15355, 15054..15203, 15140..15559, 15407..15796, 15506..15676		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934

Name	OJ990802_09.9B24.C14.o6.gs	Method	GENSCAN
Start	31045	End	33934
GI	none	Score	.58
Exons	31045..31127, 31408..31605, 31607..32483, 32679..32736, 33087..33191, 33342..33520, 33924..33934		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o7.np	Method	AAT/NAP
Start	31400	End	32492
GI	5257262	Score	892
Exons	31400..31492, 31650..32492		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	5484	Seq. ID	OJ990802_09.9B24.C14
Gene No.	11428	Strand	-
Start	31045	End	33934
Name	OJ990802_09.9B24.C14.o1.tw	Method	TBLASTX:Wheat
Start	31656	End	32015
GI	none	Score	97
Exons	31656..31910, 31696..31893, 31935..32015		

Seq. No.	5485	Seq. ID	OJ990802_09.9B24.C17
Gene No.	11429	Strand	-
Start	105	End	245
Name	OJ990802_09.9B24.C17.o1.gs	Method	GENSCAN
Start	105	End	245
GI	none	Score	.84
Exons	105..245		

Seq. No.	5486	Seq. ID	OJ990802_09.9B24.C18
Gene No.	11430	Strand	+
Start	1	End	519
Name	OJ990802_09.9B24.C18.o1.np	Method	AAT/NAP
Start	1	End	519
GI	1709922	Score	152
Exons	1..38, 405..519		
GI Descrip.	PHOSPHORIBOSYLGLYCINAMIDE FORMYLTRANSFERASE PRECURSOR (GART) (GAR TRANSFORMYLASE) (5'-PHOSPHORIBOSYLGLYCINAMIDE TRANSFORMYLASE) gi|480622|pir||S37105 phosphoribosylglycinamide formyltransferase (EC 2.1.2.2) - Arabidopsis thaliana		

Seq. No.	5486	Seq. ID	OJ990802_09.9B24.C18
Gene No.	11430	Strand	+
Start	1	End	519
Name	OJ990802_09.9B24.C18.o1.tm	Method	TBLASTX:Maize
Start	388	End	519
GI	none	Score	85
Exons	388..516, 393..518, 396..518, 406..519		

Seq. No.	5487	Seq. ID	OJ990802_09.9B24.C21
Gene No.	11431	Strand	+
Start	101	End	3853
Name	OJ990802_09.9B24.C21.o1.gs	Method	GENSCAN
Start	101	End	3853
GI	none	Score	.43

Exons	101..151, 437..580, 1373..1468, 2752..3583, 3731..3853		
Seq. No.	5487	Seq. ID	OJ990802_09.9B24.C21
Gene No.	11431	Strand	+
Start	101	End	3853
Name	OJ990802_09.9B24.C21.o2.np	Method	AAT/NAP
Start	2017	End	3819
GI	4826399	Score	159
Exons	2017..2079, 2755..3165, 3208..3583, 3731..3819		
GI Descrip.	(AJ012423) wall-associated kinase 2 [Arabidopsis thaliana]		
Seq. No.	5487	Seq. ID	OJ990802_09.9B24.C21
Gene No.	11432	Strand	-
Start	356	End	1522
Name	OJ990802_09.9B24.C21.o1.np	Method	AAT/NAP
Start	356	End	1522
GI	5042463	Score	200
Exons	356..457, 503..646, 1332..1522		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		
Seq. No.	5488	Seq. ID	OJ990802_09.9B24.C22
Gene No.	11433	Strand	-
Start	215	End	641
Name	OJ990802_09.9B24.C22.o1.tc	Method	TBLASTX:Cress
Start	200	End	442
GI	none	Score	82
Exons	200..442, 279..383		
Seq. No.	5488	Seq. ID	OJ990802_09.9B24.C22
Gene No.	11433	Strand	-
Start	215	End	641
Name	OJ990802_09.9B24.C22.o1.np	Method	AAT/NAP
Start	215	End	641
GI	3953478	Score	157
Exons	215..456, 614..641		
GI Descrip.	(AC002328) F22O2.23 [Arabidopsis thaliana]		
Seq. No.	5488	Seq. ID	OJ990802_09.9B24.C22
Gene No.	11433	Strand	-
Start	215	End	641
Name	OJ990802_09.9B24.C22.o1.gs	Method	GENSCAN
Start	250	End	398
GI	none	Score	.59
Exons	250..398		
Seq. No.	5488	Seq. ID	OJ990802_09.9B24.C22
Gene No.	11433	Strand	-
Start	215	End	641
Name	OJ990802_09.9B24.C22.o1.tm	Method	TBLASTX:Maize
Start	252	End	434
GI	none	Score	226
Exons	252..431, 273..434, 281..433		
Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11434	Strand	+
Start	1	End	1296
Name	OJ991112_17.9C20.C5.o1.np	Method	AAT/NAP

Start	1	End	1296
GI	6907086	Score	272
Exons	1..754, 927..1065, 1111..1296		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11435	Strand	+
Start	4593	End	8963
Name	OJ991112_17.9C20.C5.o2.gs	Method	GENSCAN
Start	4593	End	8963
GI	none	Score	.77
Exons	4593..4658, 5348..5533, 5563..6250, 6341..7326, 7426..8250, 8526..8615, 8865..8963		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11436	Strand	+
Start	16992	End	17123
Name	OJ991112_17.9C20.C5.o3.np	Method	AAT/NAP
Start	16992	End	17123
GI	6006372	Score	96
Exons	16992..17123		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11437	Strand	+
Start	18163	End	18584
Name	OJ991112_17.9C20.C5.o4.np	Method	AAT/NAP
Start	18163	End	18584
GI	6056412	Score	167
Exons	18163..18299, 18368..18584		
GI Descrip.	(AC009525) Unknown protein [Arabidopsis thaliana]		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11438	Strand	-
Start	2793	End	4919
Name	OJ991112_17.9C20.C5.o1.gp	Method	AAT/GAP
Start	2793	End	4919
GI	25275_2.R1084	Score	958
Exons	2793..2923, 3285..3391, 4245..4337, 4616..4795, 4880..4919		
GI Descrip.	'6041757/gb|AC011806.1|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11439	Strand	-
Start	7001	End	13883
Name	OJ991112_17.9C20.C5.o2.np	Method	AAT/NAP
Start	7001	End	13883
GI	4378066	Score	1903
Exons	7001..7134, 9408..12852, 13519..13883		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi|4680208|gb|AAD27571.1|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11439	Strand	-
Start	7001	End	13883

Name	OJ991112_17.9C20.C5.o4.gs	Method	GENSCAN
Start	12170	End	13825
GI	none	Score	.62
Exons	12170..13825		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o4.tw	Method	TBLASTX:Wheat
Start	9441	End	9848
GI	none	Score	64
Exons	9441..9599, 9442..9582, 9606..9848, 9637..9795		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o2.ts	Method	TBLASTX:Soybean
Start	9990	End	10373
GI	none	Score	86
Exons	9990..10373, 10180..10320		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o6.tw	Method	TBLASTX:Wheat
Start	9994	End	10214
GI	none	Score	101
Exons	9994..10209, 9999..10214		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o2.tm	Method	TBLASTX:Maize
Start	10092	End	10475
GI	none	Score	174
Exons	10092..10475, 10105..10434, 10140..10454		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o1.tw	Method	TBLASTX:Wheat
Start	10215	End	10634
GI	none	Score	125
Exons	10215..10634, 10216..10389, 10218..10622, 10465..10632		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o3.tm	Method	TBLASTX:Maize
Start	10503	End	10858
GI	none	Score	114
Exons	10503..10730, 10503..10766, 10504..10767, 10766..10858		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o3.tw	Method	TBLASTX:Wheat

Start	10635	End	10987
GI	none	Score	98
Exons	10635..10763, 10635..10763, 10636..10764, 10645..10800, 10763..10987, 10764..10952		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o5.tw	Method	TBLASTX:Wheat
Start	11192	End	11551
GI	none	Score	94
Exons	11192..11413, 11193..11414, 11420..11551		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o4.tm	Method	TBLASTX:Maize
Start	18364	End	18578
GI	none	Score	46
Exons	18364..18429, 18423..18578, 18425..18568		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o2.tc	Method	TBLASTX:Cress
Start	18392	End	18584
GI	none	Score	194
Exons	18392..18583, 18417..18584		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o3.ts	Method	TBLASTX:Soybean
Start	18416	End	18602
GI	none	Score	216
Exons	18416..18598, 18429..18602		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o5.np	Method	AAT/NAP
Start	19617	End	24437
GI	6446577	Score	1784
Exons	19617..19979, 20016..20582, 20654..20742, 20770..21143, 21190..21392, 21471..21596, 21688..21825, 21898..22243, 22317..22564, 24408..24437		
GI Descrip.	(AF150630) cellulose synthase catalytic subunit [Gossypium hirsutum]		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o6.gs	Method	GENSCAN
Start	19620	End	22829
GI	none	Score	.75
Exons	19620..20710, 20758..21133, 21204..21392, 21471..21596, 21688..21825, 21898..22243, 22317..22589, 22762..22829		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o1.tc	Method	TBLASTX:Cress
Start	19680	End	22462
GI	none	Score	51
Exons	19680..19739, 19911..19943, 20016..20243, 20046..20141, 20232..20345, 20248..20328, 20400..20558, 20565..20585, 20651..20719, 20792..20824, 21044..21133, 21069..21134, 21228..21392, 21229..21387, 21465..21602, 21466..21534, 21685..21831, 21686..21826, 21898..22245, 21899..21931, 21980..22087, 22317..22445, 22322..22462		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o1.tm	Method	TBLASTX:Maize
Start	19680	End	22462
GI	none	Score	90
Exons	19680..19763, 19848..19949, 20034..20168, 20038..20214, 20262..20345, 20403..20558, 20565..20582, 20651..20734, 20783..20824, 21044..21133, 21062..21142, 21228..21392, 21247..21387, 21465..21602, 21466..21537, 21685..21831, 21686..21826, 21898..22245, 21980..22087, 22322..22462		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o1.ts	Method	TBLASTX:Soybean
Start	19680	End	22417
GI	none	Score	89
Exons	19680..19763, 19848..19943, 20016..20168, 20038..20178, 20236..20328, 20244..20345, 20400..20558, 20485..20553, 20565..20585, 20651..20728, 20655..20723, 20783..20824, 21041..21133, 21069..21134, 21228..21392, 21229..21387, 21465..21602, 21466..21531, 21685..21831, 21686..21826, 21802..21855, 21898..22245, 21980..22087, 22322..22417		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o2.tw	Method	TBLASTX:Wheat
Start	21474	End	22047
GI	none	Score	63
Exons	21474..21602, 21475..21534, 21631..21831, 21686..21826, 21898..22047		

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o6.np	Method	AAT/NAP
Start	24256	End	27163
GI	2244709	Score	311
Exons	24256..24321, 24622..24778, 26653..26706, 26752..26887, 27060..27163		
GI Descrip.	(AB005295) HY5 [Arabidopsis thaliana] gi|2251085|dbj|BAA21327|		

(AB005456) HY5 [Arabidopsis thaliana]

Seq. No.	5489	Seq. ID	OJ991112_17.9C20.C5
Gene No.	11440	Strand	-
Start	19620	End	29300
Name	OJ991112_17.9C20.C5.o7.gs	Method	GENSCAN
Start	24259	End	29300
GI	none	Score	.77
Exons	24259..24321, 24622..24778, 26653..26887, 29225..29300		

Seq. No.	5490	Seq. ID	OJ991112_17.9C20.C6
Gene No.	11441	Strand	+
Start	2006	End	3636
Name	OJ991112_17.9C20.C6.o1.np	Method	AAT/NAP
Start	2006	End	3636
GI	6721516	Score	285
Exons	2006..2035, 3420..3636		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11442	Strand	+
Start	7244	End	10473
Name	OJ991112_17.9C20.C7.o2.np	Method	AAT/NAP
Start	7244	End	10470
GI	6907089	Score	4090
Exons	7244..8505, 8599..10470		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11442	Strand	+
Start	7244	End	10473
Name	OJ991112_17.9C20.C7.o3.gs	Method	GENSCAN
Start	7244	End	10473
GI	none	Score	.73
Exons	7244..10188, 10278..10473		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11443	Strand	+
Start	17323	End	17491
Name	OJ991112_17.9C20.C7.o4.np	Method	AAT/NAP
Start	17323	End	17491
GI	5922623	Score	84
Exons	17323..17491		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11444	Strand	-
Start	4508	End	5566
Name	OJ991112_17.9C20.C7.o1.np	Method	AAT/NAP
Start	4508	End	5566
GI	6630685	Score	1389
Exons	4508..5566		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o1.tm	Method	TBLASTX:Maize
Start	4425	End	5173
GI	none	Score	595
Exons	4425..4454, 4497..5171, 4506..4610, 4511..5173		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o1.ts	Method	TBLASTX:Soybean
Start	4499	End	5164
GI	none	Score	70
Exons	4499..4747, 4572..4739, 4781..5152, 4781..5164, 4788..5159		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o10.tw	Method	TBLASTX:Wheat
Start	4559	End	4939
GI	none	Score	57
Exons	4559..4747, 4571..4741, 4766..4939, 4770..4871		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o8.tw	Method	TBLASTX:Wheat
Start	4949	End	5365
GI	none	Score	91
Exons	4949..5185, 5198..5365		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o5.tm	Method	TBLASTX:Maize
Start	5297	End	5568
GI	none	Score	175
Exons	5297..5566, 5300..5566, 5428..5568		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o6.tm	Method	TBLASTX:Maize
Start	11052	End	11234
GI	none	Score	128
Exons	11052..11234, 11053..11229		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o4.gs	Method	GENSCAN
Start	11091	End	14756
GI	none	Score	.64
Exons	11091..13953, 14002..14756		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7

Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o3.np	Method	AAT/NAP
Start	11094	End	16740
GI	6498441	Score	6803
Exons	11094..11375, 11469..12866, 13038..13520, 13713..13953, 14128..14262, 14446..14819, 14883..15346, 15677..16740		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o6.tw	Method	TBLASTX:Wheat
Start	11103	End	11705
GI	none	Score	83
Exons	11103..11228, 11107..11229, 11259..11318, 11414..11704, 11415..11705, 11422..11700		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o4.tw	Method	TBLASTX:Wheat
Start	11706	End	12087
GI	none	Score	155
Exons	11706..12086, 11737..11985, 12031..12087		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o3.tm	Method	TBLASTX:Maize
Start	11881	End	12224
GI	none	Score	196
Exons	11881..12192, 11884..12195, 11895..12224		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o9.tw	Method	TBLASTX:Wheat
Start	12417	End	12729
GI	none	Score	60
Exons	12417..12677, 12631..12729		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o3.ts	Method	TBLASTX:Soybean
Start	12477	End	13043
GI	5666795	Score	61
Exons	12477..12677, 12732..12869, 12945..13043		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o5.tw	Method	TBLASTX:Wheat

Start	12732	End	16192
GI	none	Score	92
Exons	12732..12872, 12733..12870, 12735..12872, 12928..13101, 12942..13190, 12942..13166, 16139..16192		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o2.ts	Method	TBLASTX:Soybean
Start	13791	End	14162
GI	none	Score	91
Exons	13791..14162, 13987..14145		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o2.tw	Method	TBLASTX:Wheat
Start	13816	End	14241
GI	none	Score	322
Exons	13816..14241, 13821..14240		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o4.tm	Method	TBLASTX:Maize
Start	13914	End	14298
GI	none	Score	226
Exons	13914..14297, 13933..14298		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o2.tm	Method	TBLASTX:Maize
Start	14325	End	14681
GI	none	Score	116
Exons	14325..14630, 14325..14681, 14335..14646		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o1.tw	Method	TBLASTX:Wheat
Start	14349	End	14811
GI	none	Score	434
Exons	14349..14810, 14350..14811		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o4.ts	Method	TBLASTX:Soybean
Start	14406	End	14771
GI	none	Score	114
Exons	14406..14540, 14547..14771		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o5.gs	Method	GENSCAN

Start	14820	End	17246
GI	none	Score	.97
Exons	14820..17246		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o3.tw	Method	TBLASTX:Wheat
Start	14979	End	15462
GI	none	Score	170
Exons	14979..15461, 15007..15267, 15283..15462		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o7.tw	Method	TBLASTX:Wheat
Start	16200	End	16592
GI	none	Score	91
Exons	16200..16457, 16234..16473, 16440..16538, 16441..16521, 16545..16592		

Seq. No.	5491	Seq. ID	OJ991112_17.9C20.C7
Gene No.	11445	Strand	-
Start	11091	End	17246
Name	OJ991112_17.9C20.C7.o7.tm	Method	TBLASTX:Maize
Start	16302	End	16587
GI	none	Score	91
Exons	16302..16550, 16303..16587		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o1.np	Method	AAT/NAP
Start	1	End	1995
GI	4416302	Score	1943
Exons	1..1995		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o2.tw	Method	TBLASTX:Wheat
Start	2	End	415
GI	none	Score	180
Exons	2..292, 6..284, 6..302, 161..286, 293..319, 326..415, 329..415		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o5.tm	Method	TBLASTX:Maize
Start	2	End	239
GI	none	Score	108
Exons	2..115, 2..238, 3..239		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271

Name	OJ991112_17.9C20.C8.o1.ts	Method	TBLASTX:Soybean
Start	5	End	544
GI	5509260	Score	255
Exons	5..544, 78..449		
GI Descrip.	-		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o1.tc	Method	TBLASTX:Cress
Start	50	End	323
GI	none	Score	91
Exons	50..322, 141..323		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o3.tm	Method	TBLASTX:Maize
Start	246	End	559
GI	none	Score	91
Exons	246..320, 248..322, 276..539, 311..559		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o1.tm	Method	TBLASTX:Maize
Start	560	End	1407
GI	none	Score	58
Exons	560..718, 621..722, 632..670, 731..1348, 760..882, 771..1265, 1048..1296, 1363..1407		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o4.tw	Method	TBLASTX:Wheat
Start	656	End	997
GI	none	Score	48
Exons	656..745, 666..719, 760..891, 767..904, 767..913, 920..997		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o2.ts	Method	TBLASTX:Soybean
Start	830	End	1240
GI	none	Score	43
Exons	830..1240, 867..983, 1050..1211		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o2.np	Method	AAT/NAP
Start	1066	End	3271
GI	4416301	Score	88
Exons	1066..1109, 3018..3271		
GI Descrip.	(AF105716) gag protein [Zea mays]		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8

Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o1.tw	Method	TBLASTX:Wheat
Start	1091	End	1641
GI	none	Score	138
Exons	1091..1381, 1091..1363, 1093..1368, 1387..1632, 1396..1641		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o2.tm	Method	TBLASTX:Maize
Start	1412	End	1804
GI	none	Score	62
Exons	1412..1522, 1414..1680, 1417..1668, 1463..1684, 1479..1685, 1673..1804, 1675..1803		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o3.tw	Method	TBLASTX:Wheat
Start	1714	End	2031
GI	none	Score	105
Exons	1714..2031, 1796..2017		

Seq. No.	5492	Seq. ID	OJ991112_17.9C20.C8
Gene No.	11446	Strand	-
Start	1	End	3271
Name	OJ991112_17.9C20.C8.o4.tm	Method	TBLASTX:Maize
Start	1807	End	2158
GI	none	Score	84
Exons	1807..2046, 1814..1942, 1970..2038, 2075..2158, 2075..2152		

Seq. No.	5493	Seq. ID	OJ991112_17.9C20.C9
Gene No.	11447	Strand	+
Start	1	End	2158
Name	OJ991112_17.9C20.C9.o1.np	Method	AAT/NAP
Start	1	End	2158
GI	6721516	Score	522
Exons	1..46, 424..664, 1073..1392, 2136..2158		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5493	Seq. ID	OJ991112_17.9C20.C9
Gene No.	11447	Strand	+
Start	1	End	2158
Name	OJ991112_17.9C20.C9.o1.gs	Method	GENSCAN
Start	26	End	1469
GI	none	Score	.5
Exons	26..46, 145..216, 424..585, 882..902, 1254..1469		

Seq. No.	5494	Seq. ID	OJ991112_17.9C20.C10
Gene No.	11448	Strand	+
Start	33	End	194
Name	OJ991112_17.9C20.C10.o1.gs	Method	GENSCAN
Start	33	End	194
GI	none	Score	.79
Exons	33..194		

Seq. No.	5494	Seq. ID	OJ991112_17.9C20.C10
Gene No.	11449	Strand	+
Start	1563	End	2326
Name	OJ991112_17.9C20.C10.o2.gs	Method	GENSCAN
Start	1563	End	2326
GI	none	Score	.42
Exons	1563..1704, 2086..2326		

Seq. No.	5495	Seq. ID	OJ991112_17.9C20.C11
Gene No.	11450	Strand	-
Start	284	End	853
Name	OJ991112_17.9C20.C11.o1.np	Method	AAT/NAP
Start	281	End	730
GI	5103838	Score	148
Exons	281..406, 451..730		
GI Descrip.	(AC007591) ESTs gb|H37295 and gb|R64895 come from this gene. [Arabidopsis thaliana]		

Seq. No.	5495	Seq. ID	OJ991112_17.9C20.C11
Gene No.	11450	Strand	-
Start	284	End	853
Name	OJ991112_17.9C20.C11.o1.gs	Method	GENSCAN
Start	284	End	760
GI	none	Score	.94
Exons	284..760		

Seq. No.	5495	Seq. ID	OJ991112_17.9C20.C11
Gene No.	11450	Strand	-
Start	284	End	853
Name	OJ991112_17.9C20.C11.o1.gp	Method	AAT/GAP
Start	379	End	853
GI	none	Score	907
Exons	379..853		

Seq. No.	5495	Seq. ID	OJ991112_17.9C20.C11
Gene No.	11450	Strand	-
Start	284	End	853
Name	OJ991112_17.9C20.C11.o1.tm	Method	TBLASTX:Maize
Start	521	End	730
GI	none	Score	146
Exons	521..730, 522..716		

Seq. No.	5496	Seq. ID	OJ991112_17.9C20.C12
Gene No.	11451	Strand	+
Start	1359	End	1664
Name	OJ991112_17.9C20.C12.o1.gp	Method	AAT/GAP
Start	1359	End	1664
GI	none	Score	521
Exons	1359..1664		

Seq. No.	5496	Seq. ID	OJ991112_17.9C20.C12
Gene No.	11452	Strand	-
Start	649	End	3104
Name	OJ991112_17.9C20.C12.o1.gs	Method	GENSCAN
Start	649	End	3104
GI	none	Score	.73
Exons	649..723, 1573..1662, 1759..2053; 2131..2156, 2228..2587,		

2961..3104

Seq. No.	5496	Seq. ID	OJ991112_17.9C20.C12
Gene No.	11452	Strand	-
Start	649	End	3104
Name	OJ991112_17.9C20.C12.o2.gp	Method	AAT/GAP
Start	1641	End	2320
GI	none	Score	771
Exons	1641..1662, 1759..2059, 2228..2320		

Seq. No.	5496	Seq. ID	OJ991112_17.9C20.C12
Gene No.	11452	Strand	-
Start	649	End	3104
Name	OJ991112_17.9C20.C12.o1.tm	Method	TBLASTX:Maize
Start	2223	End	2594
GI	none	Score	50
Exons	2223..2270, 2225..2287, 2225..2287, 2269..2451, 2274..2324, 2335..2451, 2374..2508, 2402..2473, 2447..2518, 2449..2541, 2562..2594		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11453	Strand	+
Start	106	End	458
Name	OJ991112_17.9C20.C13.o1.gp	Method	AAT/GAP
Start	106	End	458
GI	702665	Score	588
Exons	106..458		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11454	Strand	+
Start	4873	End	7513
Name	OJ991112_17.9C20.C13.o2.gp	Method	AAT/GAP
Start	4873	End	6173
GI	701080	Score	866
Exons	4873..5049, 5898..6173		
GI Descrip.	4049346/emb|CAA22571.1| 3.0e-14 (AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11454	Strand	+
Start	4873	End	7513
Name	OJ991112_17.9C20.C13.o1.np	Method	AAT/NAP
Start	5919	End	7339
GI	4049346	Score	376
Exons	5919..6321, 6523..6620, 6671..6783, 6816..7339		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11454	Strand	+
Start	4873	End	7513
Name	OJ991112_17.9C20.C13.o3.gp	Method	AAT/GAP
Start	6788	End	7513
GI	3768613	Score	1371
Exons	6788..7513		
GI Descrip.	4049346/emb|CAA22571.1| 4.0e-11 (AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11455	Strand	-
Start	44	End	397
Name	OJ991112_17.9C20.C13.o1.gs	Method	GENSCAN
Start	44	End	397
GI	none	Score	1
Exons	44..397		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11456	Strand	-
Start	14495	End	19714
Name	OJ991112_17.9C20.C13.o1.tm	Method	TBLASTX:Maize
Start	5852	End	6181
GI	none	Score	345
Exons	5852..6181, 5874..6179, 5977..6180		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11456	Strand	-
Start	14495	End	19714
Name	OJ991112_17.9C20.C13.o1.tc	Method	TBLASTX:Cress
Start	5916	End	6290
GI	none	Score	115
Exons	5916..6035, 5919..6050, 5933..6121, 6059..6247, 6060..6290		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11456	Strand	-
Start	14495	End	19714
Name	OJ991112_17.9C20.C13.o4.tm	Method	TBLASTX:Maize
Start	6762	End	7003
GI	none	Score	156
Exons	6762..6875, 6762..6872, 6914..7003, 6973..7002		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11456	Strand	-
Start	14495	End	19714
Name	OJ991112_17.9C20.C13.o1.ts	Method	TBLASTX:Soybean
Start	7150	End	7326
GI	none	Score	70
Exons	7150..7314, 7150..7326, 7154..7318		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11456	Strand	-
Start	14495	End	19714
Name	OJ991112_17.9C20.C13.o2.tm	Method	TBLASTX:Maize
Start	7181	End	7516
GI	none	Score	235
Exons	7181..7336, 7181..7324, 7183..7341, 7183..7335, 7374..7415, 7382..7408, 7386..7415, 7387..7416, 7481..7516		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11456	Strand	-
Start	14495	End	19714
Name	OJ991112_17.9C20.C13.o3.gs	Method	GENSCAN
Start	14495	End	19714
GI	none	Score	.43
Exons	14495..14539, 15414..15520, 17416..17449, 17692..17940, 18955..19054, 19557..19714		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11456	Strand	-
Start	14495	End	19714
Name	OJ991112_17.9C20.C13.o2.np	Method	AAT/NAP
Start	16477	End	16751
GI	1334371	Score	111
Exons	16477..16751		
GI Descrip.	(X13327) rps 19 [Secale cereale]		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11456	Strand	-
Start	14495	End	19714
Name	OJ991112_17.9C20.C13.o3.tm	Method	TBLASTX:Maize
Start	16606	End	16858
GI	none	Score	97
Exons	16606..16692, 16611..16694, 16611..16739, 16613..16741, 16675..16749, 16692..16751, 16734..16856, 16758..16805, 16760..16858, 16772..16858		

Seq. No.	5497	Seq. ID	OJ991112_17.9C20.C13
Gene No.	11456	Strand	-
Start	14495	End	19714
Name	OJ991112_17.9C20.C13.o3.np	Method	AAT/NAP
Start	16745	End	16977
GI	82538	Score	273
Exons	16745..16977		
GI Descrip.	hypothetical 9K protein (rps19-rpl2 intergenic region) - rice chloroplast gi|12028|emb|CAA33936| (X15901) ORF82 [Oryza sativa] gi|12074|emb|CAA33926| (X15901) ORF82 [Oryza sativa] gi|226650|prf||1603356CA ORF 82 [Oryza sativa]		

Seq. No.	5498	Seq. ID	OJ991112_17.9C20.C14
Gene No.	11457	Strand	-
Start	411	End	533
Name	OJ991112_17.9C20.C14.o1.gs	Method	GENSCAN
Start	411	End	533
GI	none	Score	.88
Exons	411..533		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11458	Strand	-
Start	892	End	2514
Name	OJ991112_17.9C20.C15.o1.np	Method	AAT/NAP
Start	892	End	2514
GI	6069646	Score	1709
Exons	892..1871, 2155..2514		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11459	Strand	-
Start	3290	End	5314
Name	OJ991112_17.9C20.C15.o2.gs	Method	GENSCAN

Start	3290	End	5287
GI	none	Score	.91
Exons	3290..3757, 3860..4360, 4381..4608, 4715..4938, 5017..5287		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11459	Strand	-
Start	3290	End	5314
Name	OJ991112_17.9C20.C15.o2.np	Method	AAT/NAP
Start	3296	End	5314
GI	2760837	Score	1383
Exons	3296..3757, 3860..4262, 4361..4608, 4715..4938, 5017..5314		
GI Descrip.	(AC003105) putative cytochrome P450 [Arabidopsis thaliana]		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11460	Strand	-
Start	7407	End	7904
Name	OJ991112_17.9C20.C15.o2.tm	Method	TBLASTX:Maize
Start	907	End	1467
GI	none	Score	81
Exons	907..1116, 1132..1467, 1157..1360		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11460	Strand	-
Start	7407	End	7904
Name	OJ991112_17.9C20.C15.o2.tw	Method	TBLASTX:Wheat
Start	1171	End	1371
GI	none	Score	191
Exons	1171..1371		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11460	Strand	-
Start	7407	End	7904
Name	OJ991112_17.9C20.C15.o1.tm	Method	TBLASTX:Maize
Start	1932	End	2517
GI	none	Score	84
Exons	1932..2069, 1934..2092, 2071..2124, 2137..2514, 2143..2517		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11460	Strand	-
Start	7407	End	7904
Name	OJ991112_17.9C20.C15.o1.ts	Method	TBLASTX:Soybean
Start	3317	End	5216
GI	none	Score	83
Exons	3317..3637, 3674..3757, 3908..4063, 3912..4052, 4345..4626, 4733..4810, 4865..4951, 5081..5197, 5082..5216		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11460	Strand	-
Start	7407	End	7904
Name	OJ991112_17.9C20.C15.o3.tm	Method	TBLASTX:Maize
Start	3317	End	4939
GI	none	Score	144
Exons	3317..3634, 3333..3635, 3659..3751, 3695..3751, 3894..4076, 3911..4093, 4357..4614, 4730..4822, 4805..4939		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11460	Strand	-

Start	7407	End	7904
Name	OJ991112_17.9C20.C15.o1.tc	Method	TBLASTX:Cress
Start	3320	End	3637
GI	none	Score	84
Exons	3320..3637, 3321..3590		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11460	Strand	-
Start	7407	End	7904
Name	OJ991112_17.9C20.C15.o1.tw	Method	TBLASTX:Wheat
Start	3482	End	3790
GI	none	Score	136
Exons	3482..3637, 3483..3638, 3674..3790, 3681..3782		

Seq. No.	5499	Seq. ID	OJ991112_17.9C20.C15
Gene No.	11460	Strand	-
Start	7407	End	7904
Name	OJ991112_17.9C20.C15.o3.gs	Method	GENSCAN
Start	7407	End	7904
GI	none	Score	.78
Exons	7407..7423, 7844..7904		

Seq. No.	5500	Seq. ID	OJ991112_17.9C20.C16
Gene No.	11461	Strand	-
Start	2198	End	3191
Name	OJ991112_17.9C20.C16.o2.gs	Method	GENSCAN
Start	2198	End	3191
GI	none	Score	.74
Exons	2198..2365, 3081..3191		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11462	Strand	+
Start	1	End	7201
Name	OJ991202_14.9C29.C1.o1.np	Method	AAT/NAP
Start	1	End	3723
GI	6714431	Score	1591
Exons	1..314, 1222..1988, 2141..3723		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11462	Strand	+
Start	1	End	7201
Name	OJ991202_14.9C29.C1.o1.gs	Method	GENSCAN
Start	324	End	7201
GI	none	Score	.72
Exons	324..595, 1231..1972, 2114..3546, 4641..4792, 7008..7201		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11463	Strand	+
Start	7371	End	13446
Name	OJ991202_14.9C29.C1.o2.gs	Method	GENSCAN
Start	7371	End	13446
GI	none	Score	.84
Exons	7371..7663, 7821..8568, 11794..13446		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1

Gene No.	11463	Strand	+
Start	7371	End	13446
Name	OJ991202_14.9C29.C1.o2.np	Method	AAT/NAP
Start	7572	End	13399
GI	6056428	Score	1700
Exons	7572..7663, 7821..8568, 11794..13399		
GI Descrip.	(AC009525) Very similar to cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o2.tc	Method	TBLASTX:Cress
Start	1226	End	13302
GI	none	Score	435
Exons	1226..1813, 1468..1677, 1523..1705, 1533..1706, 1747..1842, 1889..1915, 2168..2497, 2171..2497, 2205..2498, 7819..8019, 8095..8424, 8103..8309, 8350..8484, 8485..8511, 11837..11875, 11883..12074, 11884..12075, 12088..12180, 13225..13302		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o2.tm	Method	TBLASTX:Maize
Start	1300	End	8571
GI	none	Score	128
Exons	1300..1434, 1301..1423, 1445..1852, 1459..1839, 1523..1849, 1873..1965, 1874..1975, 1886..1975, 7890..7988, 7891..8019, 8035..8460, 8109..8429, 8209..8451, 8476..8571, 8479..8571		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o2.ts	Method	TBLASTX:Soybean
Start	1475	End	8598
GI	none	Score	178
Exons	1475..1639, 1477..1635, 1639..1677, 1640..1852, 1732..1845, 1873..1965, 1874..1975, 1874..1975, 8095..8232, 8103..8228, 8232..8429, 8233..8460, 8476..8571, 8478..8570, 8479..8598		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o3.tw	Method	TBLASTX:Wheat
Start	1621	End	8511
GI	none	Score	167
Exons	1621..1677, 1622..1831, 1777..1812, 1889..1915, 8214..8309, 8215..8424, 8470..8511		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o3.tm	Method	TBLASTX:Maize
Start	2135	End	12279
GI	none	Score	451
Exons	2135..2593, 2259..2354, 2362..2592, 11883..12074, 11884..12087, 12087..12242, 12088..12279		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o1.ts	Method	TBLASTX:Soybean
Start	2177	End	12539
GI	none	Score	261
Exons	2177..2398, 2182..2310, 2399..2605, 2403..2639, 2404..2601, 2620..2706, 2722..2829, 2723..2839, 11805..12083, 11857..12084, 12084..12233, 12085..12279, 12387..12539, 12394..12537		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o2.tw	Method	TBLASTX:Wheat
Start	2191	End	12234
GI	none	Score	249
Exons	2191..2298, 2195..2398, 2220..2447, 2399..2551, 2405..2530, 11866..12084, 11874..12083, 12084..12233, 12085..12234		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o1.tc	Method	TBLASTX:Cress
Start	2516	End	13113
GI	none	Score	112
Exons	2516..2593, 2620..2706, 2722..2985, 2741..3004, 2981..3073, 3077..3415, 3247..3402, 12199..12279, 12387..12698, 12394..12702, 12688..12768, 12775..13113, 12822..13040, 13068..13100		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o1.tm	Method	TBLASTX:Maize
Start	2611	End	13302
GI	none	Score	638
Exons	2611..2706, 2722..3066, 2723..3478, 2768..3106, 3151..3429, 3502..3672, 3530..3595, 12387..12812, 12394..13125, 12852..13124, 12895..13170, 13222..13302		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o3.ts	Method	TBLASTX:Soybean
Start	2843	End	13302
GI	none	Score	158
Exons	2843..2980, 2846..3019, 2848..3009, 2999..3355, 3359..3469, 3533..3595, 12541..12696, 12579..12671, 12847..13053, 12852..13052, 13057..13119, 13225..13302		

Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o1.tw	Method	TBLASTX:Wheat
Start	2998	End	13188
GI	none	Score	561

Exons	2998..3168, 2999..3487, 2999..3196, 3217..3486, 12696..13124, 12697..13125, 12895..13188		
Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o4.tw	Method	TBLASTX:Wheat
Start	3488	End	13302
GI	none	Score	177
Exons	3488..3607, 3488..3607, 3489..3608, 3490..3633, 3490..3684, 13194..13301, 13201..13302		
Seq. No.	5501	Seq. ID	OJ991202_14.9C29.C1
Gene No.	11464	Strand	-
Start	14348	End	15108
Name	OJ991202_14.9C29.C1.o3.gs	Method	GENSCAN
Start	14348	End	15108
GI	none	Score	.68
Exons	14348..14482, 14777..14922, 14989..15108		
Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11465	Strand	+
Start	123	End	609
Name	OJ991202_14.9C29.C2.o1.gs	Method	GENSCAN
Start	123	End	609
GI	none	Score	.6
Exons	123..190, 411..609		
Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11466	Strand	+
Start	5168	End	10944
Name	OJ991202_14.9C29.C2.o1.np	Method	AAT/NAP
Start	5168	End	10944
GI	4678197	Score	1804
Exons	5168..5231, 7579..8892, 9181..10944		
GI Descrip.	(AC007134) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11467	Strand	+
Start	11829	End	11894
Name	OJ991202_14.9C29.C2.o1.gp	Method	AAT/GAP
Start	11829	End	11894
GI	2312838	Score	71
Exons	11829..11894		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11468	Strand	-
Start	991	End	7603
Name	OJ991202_14.9C29.C2.o2.gs	Method	GENSCAN
Start	991	End	7603
GI	none	Score	.51
Exons	991..1302, 2467..4057, 4135..4181, 4393..4683, 4780..4946, 4975..5332, 5450..5956, 6109..6662, 6847..7281, 7576..7603		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o6.tw	Method	TBLASTX:Wheat
Start	2698	End	3105
GI	none	Score	72
Exons	2698..3105, 2728..2856		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o5.ts	Method	TBLASTX:Soybean
Start	3412	End	3804
GI	none	Score	177
Exons	3412..3468, 3448..3804		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o7.tw	Method	TBLASTX:Wheat
Start	3496	End	3717
GI	none	Score	161
Exons	3496..3717, 3500..3712		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o4.tm	Method	TBLASTX:Maize
Start	3535	End	3916
GI	none	Score	128
Exons	3535..3906, 3545..3916		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o3.tw	Method	TBLASTX:Wheat
Start	3718	End	4102
GI	none	Score	187
Exons	3718..4101, 3746..4102		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o6.tm	Method	TBLASTX:Maize
Start	4066	End	4698
GI	none	Score	85
Exons	4066..4206, 4264..4539, 4555..4698		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o4.tw	Method	TBLASTX:Wheat
Start	4200	End	10122
GI	none	Score	300
Exons	4200..4259, 9574..9921, 9576..9689, 9735..9866, 9913..10122, 9981..10085		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o6.ts	Method	TBLASTX:Soybean
Start	4222	End	4539
GI	none	Score	188
Exons	4222..4539		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o1.tw	Method	TBLASTX:Wheat
Start	4273	End	4654
GI	none	Score	176
Exons	4273..4440, 4274..4453, 4292..4453, 4435..4653, 4475..4519, 4562..4654		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o9.tw	Method	TBLASTX:Wheat
Start	5540	End	5926
GI	none	Score	51
Exons	5540..5731, 5589..5726, 5735..5926, 5817..5858		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o7.tm	Method	TBLASTX:Maize
Start	7849	End	8166
GI	none	Score	90
Exons	7849..7920, 7869..7913, 7951..8031, 8004..8045, 8034..8156, 8041..8160, 8041..8166, 8042..8161		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o2.tm	Method	TBLASTX:Maize
Start	8176	End	8850
GI	none	Score	68
Exons	8176..8244, 8254..8850, 8278..8475, 8322..8558, 8580..8840		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o5.tw	Method	TBLASTX:Wheat
Start	8185	End	8793
GI	none	Score	274
Exons	8185..8571, 8202..8567, 8586..8663, 8587..8676, 8671..8793		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o3.ts	Method	TBLASTX:Soybean
Start	8350	End	8811
GI	none	Score	278
Exons	8350..8811, 8424..8651		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o2.tc	Method	TBLASTX:Cress
Start	8365	End	8814
GI	none	Score	284
Exons	8365..8814, 8367..8564		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o2.ts	Method	TBLASTX:Soybean
Start	9411	End	9896
GI	5509260	Score	407
Exons	9411..9689, 9412..9891, 9735..9896		
GI Descrip.	-		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o1.tc	Method	TBLASTX:Cress
Start	9526	End	9795
GI	none	Score	304
Exons	9526..9795, 9540..9776, 9547..9786		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o3.tm	Method	TBLASTX:Maize
Start	9574	End	10008
GI	none	Score	346
Exons	9574..10008, 9576..9668, 9724..9804, 9735..9896, 9829..9897		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o4.tc	Method	TBLASTX:Cress
Start	9979	End	10218
GI	none	Score	189
Exons	9979..10218		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o7.ts	Method	TBLASTX:Soybean
Start	10075	End	10254
GI	none	Score	184
Exons	10075..10254, 10077..10220		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o8.tw	Method	TBLASTX:Wheat
Start	10132	End	10518
GI	none	Score	105
Exons	10132..10251, 10272..10403, 10273..10518, 10474..10512		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o1.tm	Method	TBLASTX:Maize
Start	10264	End	10926
GI	none	Score	321
Exons	10264..10614, 10362..10613, 10690..10926, 10701..10769		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o1.ts	Method	TBLASTX:Soybean
Start	10282	End	10962
GI	none	Score	395
Exons	10282..10617, 10284..10769, 10466..10756, 10696..10962, 10840..10956		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o2.np	Method	AAT/NAP
Start	12267	End	13169
GI	6056428	Score	285
Exons	12267..12286, 12661..13169		
GI Descrip.	(AC009525) Very similar to cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o4.gs	Method	GENSCAN
Start	12599	End	13162
GI	none	Score	.96
Exons	12599..13162		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o3.tc	Method	TBLASTX:Cress
Start	12749	End	13126
GI	none	Score	93
Exons	12749..12829, 12917..13126, 12933..13121		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o5.tm	Method	TBLASTX:Maize
Start	12749	End	13169
GI	none	Score	95
Exons	12749..12838, 12750..12842, 12917..13024, 12930..13004, 13040..13078, 13062..13169, 13067..13168		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.o4.ts	Method	TBLASTX:Soybean

Start	12764	End	13150
GI	none	Score	83
Exons	12764..12835, 12917..13000, 12980..13150, 12981..13148		

Seq. No.	5502	Seq. ID	OJ991202_14.9C29.C2
Gene No.	11469	Strand	-
Start	12599	End	13169
Name	OJ991202_14.9C29.C2.q2.tw	Method	TBLASTX:Wheat
Start	12863	End	13169
GI	none	Score	326
Exons	12863..13168, 12930..13169		

Seq. No.	5503	Seq. ID	OJ991202_14.9C29.C3
Gene No.	11470	Strand	-
Start	1	End	1532
Name	OJ991202_14.9C29.C3.o1.np	Method	AAT/NAP
Start	1	End	1532
GI	4467125	Score	486
Exons	1..646, 1509..1532		
GI Descrip.	(AL035538) putative protein [Arabidopsis thaliana]		

Seq. No.	5503	Seq. ID	OJ991202_14.9C29.C3
Gene No.	11470	Strand	-
Start	1	End	1532
Name	OJ991202_14.9C29.C3.o1.tc	Method	TBLASTX:Cress
Start	4	End	555
GI	none	Score	130
Exons	4..240, 26..220, 295..555		

Seq. No.	5503	Seq. ID	OJ991202_14.9C29.C3
Gene No.	11470	Strand	-
Start	1	End	1532
Name	OJ991202_14.9C29.C3.o1.tm	Method	TBLASTX:Maize
Start	4	End	427
GI	none	Score	162
Exons	4..288, 14..220, 280..426, 302..427		

Seq. No.	5503	Seq. ID	OJ991202_14.9C29.C3
Gene No.	11470	Strand	-
Start	1	End	1532
Name	OJ991202_14.9C29.C3.o1.ts	Method	TBLASTX:Soybean
Start	4	End	552
GI	none	Score	100
Exons	4..240, 26..217, 295..552		

Seq. No.	5503	Seq. ID	OJ991202_14.9C29.C3
Gene No.	11470	Strand	-
Start	1	End	1532
Name	OJ991202_14.9C29.C3.o1.gs	Method	GENSCAN
Start	20	End	699
GI	none	Score	.79
Exons	20..699		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11471	Strand	+
Start	1	End	3324
Name	OJ991202_14.9C29.C5.o2.np	Method	AAT/NAP

Start	1	End	3324
GI	6630696	Score	195
Exons	1..44, 3136..3324		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11471	Strand	+
Start	1	End	3324
Name	OJ991202_14.9C29.C5.o1.gs	Method	GENSCAN
Start	1563	End	1685
GI	none	Score	.43
Exons	1563..1685		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11471	Strand	+
Start	1	End	3324
Name	OJ991202_14.9C29.C5.o1.np	Method	AAT/NAP
Start	2829	End	2960
GI	5852172	Score	138
Exons	2829..2960		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11472	Strand	+
Start	17616	End	18299
Name	OJ991202_14.9C29.C5.o3.gs	Method	GENSCAN
Start	17616	End	18299
GI	none	Score	.9
Exons	17616..18299		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11473	Strand	-
Start	2594	End	17765
Name	OJ991202_14.9C29.C5.o2.gs	Method	GENSCAN
Start	2594	End	16336
GI	none	Score	.51
Exons	2594..2623, 2874..2909, 4316..4539, 5488..5702, 7318..7409, 8512..8666, 9621..9645, 9856..9922, 10433..11275, 13458..15112, 15204..16180, 16228..16336		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11473	Strand	-
Start	2594	End	17765
Name	OJ991202_14.9C29.C5.o1.gp	Method	AAT/GAP
Start	2812	End	3069
GI	427610	Score	420
Exons	2812..3069		
GI Descrip.	5852172/emb|CAB55410.1| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11473	Strand	-
Start	2594	End	17765
Name	OJ991202_14.9C29.C5.o4.gp	Method	AAT/GAP
Start	13244	End	13576

GI	3761434	Score	577
Exons	13244..13576		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11473	Strand	-
Start	2594	End	17765
Name	OJ991202_14.9C29.C5.o3.np	Method	AAT/NAP
Start	13490	End	17765
GI	6714431	Score	1780
Exons	13490..15112, 15204..16003, 17725..17765		
GI Descrip.	(AC012328) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o4.tm	Method	TBLASTX:Maize
Start	3195	End	3475
GI	none	Score	112
Exons	3195..3287, 3196..3288, 3197..3289, 3289..3420, 3289..3423, 3293..3475, 3294..3431		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5:o1.tm	Method	TBLASTX:Maize
Start	13601	End	14516
GI	none	Score	73
Exons	13601..13681, 13784..14008, 13784..14509, 13785..14012, 14091..14516		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o2.tc	Method	TBLASTX:Cress
Start	13601	End	15971
GI	none	Score	143
Exons	13601..13678, 14705..14821, 14831..15022, 14832..15023, 15261..15326, 15262..15330, 15336..15665, 15451..15645, 15720..15971		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o3.ts	Method	TBLASTX:Soybean
Start	13616	End	14357
GI	none	Score	69
Exons	13616..13678, 13784..13846, 13856..14209, 13860..14030, 14231..14356, 14235..14357		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o1.tw	Method	TBLASTX:Wheat
Start	13781	End	14207
GI	none	Score	519
Exons	13781..14206, 13782..14207		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o1.tc	Method	TBLASTX:Cress
Start	13788	End	14704
GI	none	Score	40
Exons	13788..13835, 13790..14128, 13863..14009, 14135..14215, 14201..14509, 14205..14516, 14520..14576, 14624..14704		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o1.ts	Method	TBLASTX:Soybean
Start	14364	End	15049
GI	none	Score	95
Exons	14364..14516, 14366..14632, 14520..14582, 14622..14822, 14624..14821, 14793..15047, 14822..15049		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o3.tm	Method	TBLASTX:Maize
Start	14624	End	15023
GI	none	Score	142
Exons	14624..14815, 14628..14816, 14831..15022, 14832..15023		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o2.tw	Method	TBLASTX:Wheat
Start	14669	End	15040
GI	none	Score	135
Exons	14669..14821, 14670..14822, 14822..15040, 14823..15032		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o2.tm	Method	TBLASTX:Maize
Start	15201	End	15852
GI	none	Score	82
Exons	15201..15293, 15201..15296, 15202..15297, 15312..15713, 15315..15422, 15439..15645, 15705..15851, 15727..15852		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o2.ts	Method	TBLASTX:Soybean
Start	15201	End	15665
GI	none	Score	64
Exons	15201..15293, 15201..15296, 15202..15300, 15312..15527, 15328..15378, 15451..15528, 15528..15665, 15532..15645		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o3.tw	Method	TBLASTX:Wheat

Start	15261	End	15546
GI	none	Score	42
Exons	15261..15344, 15262..15330, 15354..15545, 15451..15546		

Seq. No.	5504	Seq. ID	OJ991202_14.9C29.C5
Gene No.	11474	Strand	-
Start	21302	End	21544
Name	OJ991202_14.9C29.C5.o4.gs	Method	GENSCAN
Start	21302	End	21544
GI	none	Score	.66
Exons	21302..21330, 21385..21544		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11475	Strand	+
Start	14	End	4148
Name	OJ991202_14.9C29.C6.o1.gs	Method	GENSCAN
Start	14	End	4148
GI	none	Score	.6
Exons	14..72, 1899..1974, 2347..2456, 2546..2744, 2875..2902, 3004..3069, 3643..3804, 3936..3994, 4005..4148		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11476	Strand	+
Start	13006	End	19653
Name	OJ991202_14.9C29.C6.o3.gs	Method	GENSCAN
Start	13006	End	19653
GI	none	Score	.48
Exons	13006..13080, 13514..13618, 13672..13827, 13927..15642, 15754..16038, 16117..18160, 18323..19653		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11476	Strand	+
Start	13006	End	19653
Name	OJ991202_14.9C29.C6.o1.np	Method	AAT/NAP
Start	14195	End	19650
GI	6498441	Score	7157
Exons	14195..15259, 15590..16053, 16117..16490, 16674..16808, 16983..17706, 17878..19275, 19369..19650		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11477	Strand	+
Start	21116	End	24926
Name	OJ991202_14.9C29.C6.o3.np	Method	AAT/NAP
Start	21116	End	24926
GI	5042454	Score	108
Exons	21116..21220, 22268..22419, 23262..23383, 23759..23945, 24786..24926		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11478	Strand	+
Start	25631	End	26467
Name	OJ991202_14.9C29.C6.o5.gs	Method	GENSCAN
Start	25631	End	26467

GI	none	Score	.46
Exons	25631..25696, 26261..26467		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11479	Strand	+
Start	27519	End	28140
Name	OJ991202_14.9C29.C6.o7.gs	Method	GENSCAN
Start	27519	End	28140
GI	none	Score	.87
Exons	27519..27620, 27874..28140		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11480	Strand	+
Start	28808	End	28871
Name	OJ991202_14.9C29.C6.o1.gp	Method	AAT/GAP
Start	28808	End	28871
GI	LIB3477-003-P1-K1-E9	Score	87
Exons	28808..28871		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11481	Strand	-
Start	20278	End	24972
Name	OJ991202_14.9C29.C6.o4.gs	Method	GENSCAN
Start	20278	End	24972
GI	none	Score	.79
Exons	20278..21825, 21955..23494, 24122..24240, 24515..24718, 24922..24972		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11481	Strand	-
Start	20278	End	24972
Name	OJ991202_14.9C29.C6.o2.np	Method	AAT/NAP
Start	20281	End	23475
GI	6907089	Score	4180
Exons	20281..22108, 22212..23475		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o1.tm	Method	TBLASTX:Maize
Start	9857	End	10491
GI	none	Score	56
Exons	9857..9931, 9857..9934, 9950..10180, 9951..10181, 10186..10353, 10187..10285, 10345..10491, 10366..10491		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o1.ts	Method	TBLASTX:Soybean
Start	9857	End	10305
GI	none	Score	70
Exons	9857..9934, 9864..9938, 9950..10165, 9963..10166, 10186..10305, 10187..10285		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o1.tc	Method	TBLASTX:Cress
Start	9899	End	10515
GI	none	Score	36
Exons	9899..9955, 9942..10016, 9974..10180, 10089..10184, 10186..10305, 10214..10285, 10351..10515		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o7.tw	Method	TBLASTX:Wheat
Start	14347	End	14736
GI	none	Score	54
Exons	14347..14391, 14398..14496, 14415..14495, 14463..14702, 14479..14736		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o5.tm	Method	TBLASTX:Maize
Start	14386	End	14634
GI	none	Score	194
Exons	14386..14634, 14388..14633		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o3.tw	Method	TBLASTX:Wheat
Start	15474	End	15960
GI	none	Score	399
Exons	15474..15647, 15475..15960, 15669..15929		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o1.tw	Method	TBLASTX:Wheat
Start	16124	End	16587
GI	none	Score	200
Exons	16124..16567, 16125..16580, 16126..16587, 16126..16581		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o4.ts	Method	TBLASTX:Soybean
Start	16165	End	16530
GI	none	Score	114
Exons	16165..16389, 16396..16530		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o2.tm	Method	TBLASTX:Maize
Start	16255	End	16611
GI	none	Score	377

Exons	16255..16611, 16290..16592, 16376..16597, 16495..16611		
Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o4.tm	Method	TBLASTX:Maize
Start	16638	End	17022
GI	none	Score	363
Exons	16638..17003, 16639..17022		
Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o2.tw	Method	TBLASTX:Wheat
Start	16695	End	17115
GI	none	Score	499
Exons	16695..17090, 16696..17115		
Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o2.ts	Method	TBLASTX:Soybean
Start	16774	End	17145
GI	none	Score	284
Exons	16774..17145, 16791..16934		
Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o5.tw	Method	TBLASTX:Wheat
Start	17554	End	18012
GI	none	Score	236
Exons	17554..17808, 17578..17802, 17643..17816, 17863..18012, 17874..18011		
Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o3.ts	Method	TBLASTX:Soybean
Start	17701	End	18267
GI	5666795	Score	68
Exons	17701..17799, 17875..18012, 18028..18267		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o8.tw	Method	TBLASTX:Wheat
Start	18016	End	18327
GI	none	Score	233
Exons	18016..18327, 18024..18191		
Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o3.tm	Method	TBLASTX:Maize
Start	18520	End	18863

GI	none	Score	372
Exons	18520..18843, 18549..18830, 18714..18863		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o4.tw	Method	TBLASTX:Wheat
Start	18657	End	19038
GI	none	Score	375
Exons	18657..19007, 18658..19038		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o6.tw	Method	TBLASTX:Wheat
Start	19039	End	19641
GI	none	Score	266
Exons	19039..19329, 19044..19328, 19411..19485, 19515..19637, 19516..19641		

Seq. No.	5505	Seq. ID	OJ991202_14.9C29.C6
Gene No.	11482	Strand	-
Start	29902	End	31833
Name	OJ991202_14.9C29.C6.o8.gs	Method	GENSCAN
Start	29902	End	31833
GI	none	Score	.78
Exons	29902..30093, 31577..31681, 31732..31833		

Seq. No.	5506	Seq. ID	OJ991202_12.9C29.C2
Gene No.	11483	Strand	+
Start	424	End	1935
Name	OJ991202_12.9C29.C2.o1.gs	Method	GENSCAN
Start	424	End	1935
GI	none	Score	.96
Exons	424..507, 1758..1935		

Seq. No.	5506	Seq. ID	OJ991202_12.9C29.C2
Gene No.	11484	Strand	-
Start	117	End	326
Name	OJ991202_12.9C29.C2.o1.gp	Method	AAT/GAP
Start	117	End	326
GI	LIB3434-038-P1-K1-F1	Score	318
Exons	117..326		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11485	Strand	+
Start	2655	End	10925
Name	OJ991202_12.9C29.C3.o2.gs	Method	GENSCAN
Start	2655	End	10925
GI	none	Score	.48
Exons	2655..2799, 4152..4374, 4906..5424, 5546..5735, 6505..6865, 6942..7140, 7169..7346, 7389..7500, 7720..7847, 7933..8040, 8706..8812, 10673..10925		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3

Gene No.	11485	Strand	+
Start	2655	End	10925
Name	OJ991202_12.9C29.C3.o1.np	Method	AAT/NAP
Start	5108	End	8139
GI	3080369	Score	405
Exons	5108..5381, 7248..7371, 7405..7500, 7750..7847, 7933..8139		
GI Descrip.	(AL022580) putative protein [Arabidopsis thaliana]		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11485	Strand	+
Start	2655	End	10925
Name	OJ991202_12.9C29.C3.o1.gp	Method	AAT/GAP
Start	6700	End	7102
GI	none	Score	756
Exons	6700..7102		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11485	Strand	+
Start	2655	End	10925
Name	OJ991202_12.9C29.C3.o2.gp	Method	AAT/GAP
Start	7298	End	8145
GI	LIB3432-015-P1-K1-D7	Score	843
Exons	7298..7346, 7416..7500, 7720..7847, 7933..8145		
GI Descrip.	'3080369/emb|CAA18626.1| 2.0e-37 (AL022580) putative protein [Arabidopsis thaliana]'		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11486	Strand	+
Start	20914	End	21221
Name	OJ991202_12.9C29.C3.o3.np	Method	AAT/NAP
Start	20914	End	21221
GI	6539570	Score	96
Exons	20914..21221		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11487	Strand	-
Start	17492	End	21204
Name	OJ991202_12.9C29.C3.o2.tm	Method	TBLASTX:Maize
Start	5062	End	5224
GI	none	Score	81
Exons	5062..5196, 5063..5224, 5071..5220		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11487	Strand	-
Start	17492	End	21204
Name	OJ991202_12.9C29.C3.o1.tm	Method	TBLASTX:Maize
Start	7287	End	8069
GI	none	Score	81
Exons	7287..7346, 7289..7345, 7409..7504, 7410..7499, 7718..7792, 7719..7793, 7793..7849, 7806..7847, 7913..8032, 7921..8040, 7921..8025, 7926..8039, 8028..8069, 8030..8068		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11487	Strand	-
Start	17492	End	21204
Name	OJ991202_12.9C29.C3.o1.tc	Method	TBLASTX:Cress

Start	7755	End	8112
GI	none	Score	58
Exons	7755..7814, 7921..8112, 7932..8108		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11487	Strand	-
Start	17492	End	21204
Name	OJ991202_12.9C29.C3.o2.np	Method	AAT/NAP
Start	17384	End	20639
GI	5922620	Score	889
Exons	17384..17491, 18928..19043, 19080..19256, 19375..19537, 19622..19655, 20376..20400, 20446..20559, 20601..20639		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11487	Strand	-
Start	17492	End	21204
Name	OJ991202_12.9C29.C3.o4.gs	Method	GENSCAN
Start	17492	End	17704
GI	none	Score	.87
Exons	17492..17704		

Seq. No.	5507	Seq. ID	OJ991202_12.9C29.C3
Gene No.	11487	Strand	-
Start	17492	End	21204
Name	OJ991202_12.9C29.C3.o5.gs	Method	GENSCAN
Start	18043	End	21204
GI	none	Score	.7
Exons	18043..18184, 18238..18352, 18959..19043, 19901..20050, 20376..20400, 20446..20664, 20688..20771, 21029..21204		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11488	Strand	+
Start	1	End	5952
Name	OJ991202_12.9C29.C4.o2.np	Method	AAT/NAP
Start	1	End	5952
GI	1076802	Score	204
Exons	1..188, 4170..4874, 5929..5952		
GI Descrip.	extensin-like protein - maize gi|600118|emb|CAA84230| (Z34465) extensin-like protein [Zea mays] gi|1096557|prf||2111476A extensin-like domain [Zea mays]		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11488	Strand	+
Start	1	End	5952
Name	OJ991202_12.9C29.C4.o1.gs	Method	GENSCAN
Start	453	End	3740
GI	none	Score	.59
Exons	453..3740		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11488	Strand	+
Start	1	End	5952

Name	OJ991202_12.9C29.C4.o1.np	Method	AAT/NAP
Start	453	End	3764
GI	4680203	Score	2036
Exons	453..2027, 2070..2162, 2316..2546, 2823..3764		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11488	Strand	+
Start	1	End	5952
Name	OJ991202_12.9C29.C4.o1.gp	Method	AAT/GAP
Start	2418	End	3878
GI	5002953	Score	1272
Exons	2418..2549, 2808..3217, 3697..3878		
GI Descrip.	4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11489	Strand	+
Start	6793	End	10874
Name	OJ991202_12.9C29.C4.o3.gs	Method	GENSCAN
Start	6793	End	10874
GI	none	Score	.66
Exons	6793..6922, 7011..7744, 7823..8284, 8366..9198, 9281..9451, 9618..9789, 10231..10269, 10809..10874		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11489	Strand	+
Start	6793	End	10874
Name	OJ991202_12.9C29.C4.o2.gp	Method	AAT/GAP
Start	9607	End	10073
GI	LIB3431-001-P1-N1-B5	Score	639
Exons	9607..9789, 9895..10073		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11489	Strand	+
Start	6793	End	10874
Name	OJ991202_12.9C29.C4.o3.gp	Method	AAT/GAP
Start	9663	End	10130
GI	LIB3431-001-P1-N1-B5	Score	645
Exons	9663..9789, 9895..10130		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11490	Strand	+
Start	12173	End	15013
Name	OJ991202_12.9C29.C4.o4.gs	Method	GENSCAN
Start	12173	End	14455
GI	none	Score	.45
Exons	12173..14455		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11490	Strand	+
Start	12173	End	15013
Name	OJ991202_12.9C29.C4.o3.np	Method	AAT/NAP

Start	12488	End	15013
GI	4467124	Score	1041
Exons	12488..14393, 14947..15013		
GI Descrip.	(AL035538) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o4.tw	Method	TBLASTX:Wheat
Start	807	End	1358
GI	none	Score	215
Exons	807..1205, 1046..1207, 1253..1348, 1254..1358		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o2.ts	Method	TBLASTX:Soybean
Start	1086	End	1505
GI	none	Score	123
Exons	1086..1205, 1087..1206, 1088..1207, 1256..1501, 1257..1505		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o1.tc	Method	TBLASTX:Cress
Start	1253	End	1583
GI	none	Score	317
Exons	1253..1486, 1254..1583, 1437..1541, 1508..1582		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o2.tw	Method	TBLASTX:Wheat
Start	1371	End	1837
GI	none	Score	52
Exons	1371..1424, 1379..1414, 1425..1529, 1436..1522, 1521..1631, 1530..1646, 1534..1632, 1538..1708, 1649..1837, 1677..1832		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o1.tm	Method	TBLASTX:Maize
Start	1428	End	1871
GI	none	Score	229
Exons	1428..1673, 1478..1669, 1677..1871		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o3.ts	Method	TBLASTX:Soybean
Start	1706	End	1940
GI	none	Score	250
Exons	1706..1861, 1707..1940		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874

Name	OJ991202_12.9C29.C4.o5.tw	Method	TBLASTX:Wheat
Start	2079	End	2429
GI	none	Score	180
Exons	2079..2309, 2108..2308, 2345..2428, 2346..2429		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o5.tm	Method	TBLASTX:Maize
Start	2085	End	2300
GI	none	Score	163
Exons	2085..2231, 2114..2221, 2238..2300		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o3.tm	Method	TBLASTX:Maize
Start	2337	End	2822
GI	none	Score	300
Exons	2337..2822, 2354..2530, 2666..2815		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o1.tw	Method	TBLASTX:Wheat
Start	2433	End	3653
GI	none	Score	486
Exons	2433..2975, 2477..2923, 2994..3155, 3011..3151, 3159..3350, 3194..3334, 3339..3386, 3390..3431, 3393..3431, 3455..3532, 3456..3560, 3561..3653		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o2.tc	Method	TBLASTX:Cress
Start	2720	End	3146
GI	none	Score	209
Exons	2720..2923, 2724..2975, 2994..3146, 3011..3133		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11491	Strand	-
Start	4050	End	4874
Name	OJ991202_12.9C29.C4.o2.gs	Method	GENSCAN
Start	4050	End	4874
GI	none	Score	.66
Exons	4050..4148, 4473..4874		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11492	Strand	
Start	13046	End	14374
Name	OJ991202_12.9C29.C4.o3.tc	Method	TBLASTX:Cress
Start	13046	End	13387
GI	none	Score	205
Exons	13046..13387		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11492	Strand	

Start	13046	End	14374
Name	OJ991202_12.9C29.C4.o1.ts	Method	TBLASTX:Soybean
Start	13138	End	13870
GI	none	Score	486
Exons	13138..13665, 13139..13705, 13727..13870		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11492	Strand	
Start	13046	End	14374
Name	OJ991202_12.9C29.C4.o2.tm	Method	TBLASTX:Maize
Start	13186	End	13816
GI	none	Score	227
Exons	13186..13440, 13187..13486, 13514..13816, 13559..13639		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11492	Strand	
Start	13046	End	14374
Name	OJ991202_12.9C29.C4.o3.tw	Method	TBLASTX:Wheat
Start	13316	End	13741
GI	none	Score	282
Exons	13316..13741, 13325..13615		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11492	Strand	
Start	13046	End	14374
Name	OJ991202_12.9C29.C4.o4.tc	Method	TBLASTX:Cress
Start	13727	End	14110
GI	none	Score	157
Exons	13727..13975, 14009..14110		

Seq. No.	5508	Seq. ID	OJ991202_12.9C29.C4
Gene No.	11492	Strand	
Start	13046	End	14374
Name	OJ991202_12.9C29.C4.o4.tm	Method	TBLASTX:Maize
Start	13925	End	14374
GI	none	Score	221
Exons	13925..14188, 14261..14374		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11493	Strand	+
Start	13403	End	22566
Name	OJ991202_12.9C29.C5.o3.np	Method	AAT/NAP
Start	13387	End	22566
GI	2828294	Score	952
Exons	13387..13687, 14282..14433, 14565..14687, 15646..15849, 16248..16362, 16480..16655, 16713..17363, 22537..22566		
GI Descrip.	(AL021687) putatative protein [Arabidopsis thaliana]		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11493	Strand	+
Start	13403	End	22566
Name	OJ991202_12.9C29.C5.o4.gs	Method	GENSCAN
Start	13403	End	17450
GI	none	Score	.71
Exons	13403..13687, 14282..14379, 14568..14687, 15131..15332, 16248..16362, 16480..17450		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11493	Strand	+
Start	13403	End	22566
Name	OJ991202_12.9C29.C5.o5.gp	Method	AAT/GAP
Start	13415	End	14433
GI	uC-osflM202123h02b1	Score	787
Exons	13415..13687, 14282..14433		
GI Descrip.	'2828294/emb|CAA16708.1| 5.0e-43 (AL021687) putatative protein [Arabidopsis thaliana]'		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11493	Strand	+
Start	13403	End	22566
Name	OJ991202_12.9C29.C5.o4.np	Method	AAT/NAP
Start	16733	End	19721
GI	3695389	Score	895
Exons	16733..16871, 18819..19721		
GI Descrip.	(AF096371) contains similarity to D-isomer specific 2-hydroxyacid dehydrogenases (Pfam: 2-Hacid_DH.hmm, score: 19.11) [Arabidopsis thaliana]		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11493	Strand	+
Start	13403	End	22566
Name	OJ991202_12.9C29.C5.o6.gp	Method	AAT/GAP
Start	16868	End	17323
GI	2431248	Score	878
Exons	16868..17323		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11493	Strand	+
Start	13403	End	22566
Name	OJ991202_12.9C29.C5.o5.gs	Method	GENSCAN
Start	18666	End	19727
GI	none	Score	1
Exons	18666..19727		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11494	Strand	+
Start	25961	End	30509
Name	OJ991202_12.9C29.C5.o8.gp	Method	AAT/GAP
Start	25822	End	26158
GI	none	Score	654
Exons	25822..26158		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11494	Strand	+
Start	25961	End	30509
Name	OJ991202_12.9C29.C5.o7.gs	Method	GENSCAN
Start	25961	End	30365
GI	none	Score	.65
Exons	25961..26265, 26338..26454, 26549..26855, 26976..27131, 27254..27405, 27811..27883, 30204..30365		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11494	Strand	+
Start	25961	End	30509

Name	OJ991202_12.9C29.C5.o5.np	Method	AAT/NAP
Start	25982	End	27412
GI	2828293	Score	555
Exons	25982..26314, 26494..26846, 26913..27131, 27254..27412		
GI Descrip.	(AL021687) putative protein [Arabidopsis thaliana]		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11494	Strand	+
Start	25961	End	30509
Name	OJ991202_12.9C29.C5.o9.gp	Method	AAT/GAP
Start	27928	End	28309
GI	LIB3433-018-Q6-K6-A4	Score	728
Exons	27928..28309		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-10 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11494	Strand	+
Start	25961	End	30509
Name	OJ991202_12.9C29.C5.o10.gp	Method	AAT/GAP
Start	30089	End	30509
GI	1330_1.R1084	Score	792
Exons	30089..30509		
GI Descrip.	'6015437/dbj|AB008112.1|AB008112 1.0e-09 Homo sapiens PEX1 mRNA, complete cds'		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11495	Strand	-
Start	663	End	7643
Name	OJ991202_12.9C29.C5.o1.gs	Method	GENSCAN
Start	663	End	7643
GI	none	Score	.51
Exons	663..983, 1372..1625, 1689..2058, 2326..2427, 2474..2581, 2674..2935, 3040..3338, 3419..3537, 3610..3832, 3918..4054, 4130..4284, 4360..4433, 4918..5879, 6085..6823, 6929..7011, 7046..7307, 7440..7643		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11495	Strand	-
Start	663	End	7643
Name	OJ991202_12.9C29.C5.o1.np	Method	AAT/NAP
Start	1675	End	7175
GI	5441880	Score	2743
Exons	1675..1884, 2357..2601, 2674..2935, 3040..3338, 3918..4251, 4360..4499, 5101..5427, 5686..5717, 6163..7175		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11495	Strand	-
Start	663	End	7643
Name	OJ991202_12.9C29.C5.o1.gp	Method	AAT/GAP
Start	1996	End	4245
GI	LIB3433-020-P1-K1-A6	Score	761
Exons	1996..2381, 4203..4245		
GI Descrip.	'5670155/gb|AF161269.1|AF161269 2.0e-35 Oryza sativa subsp.		

japonica BAC clone 34K24, complete sequence'

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11496	Strand	-
Start	9441	End	11418
Name	OJ991202_12.9C29.C5.o2.gp	Method	AAT/GAP
Start	8660	End	10050
GI	none	Score	985
Exons	8660..8971, 9494..9554, 9745..9872, 9965..10050		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11496	Strand	-
Start	9441	End	11418
Name	OJ991202_12.9C29.C5.o2.gs	Method	GENSCAN
Start	9441	End	11382
GI	none	Score	.95
Exons	9441..9554, 9745..9872, 9965..10139, 10628..10658, 10797..11110, 11188..11382		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11496	Strand	-
Start	9441	End	11418
Name	OJ991202_12.9C29.C5.o3.gp	Method	AAT/GAP
Start	10832	End	11418
GI	none	Score	949
Exons	10832..11110, 11188..11418		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11497	Strand	-
Start	11942	End	15005
Name	OJ991202_12.9C29.C5.o3.gs	Method	GENSCAN
Start	11942	End	13096
GI	none	Score	.99
Exons	11942..13096		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11497	Strand	-
Start	11942	End	15005
Name	OJ991202_12.9C29.C5.o2.np	Method	AAT/NAP
Start	12017	End	15005
GI	3695389	Score	875
Exons	12017..12846, 14913..15005		
GI Descrip.	(AF096371) contains similarity to D-isomer specific 2-hydroxyacid dehydrogenases (Pfam: 2-Hacid_DH.hmm, score: 19.11) [Arabidopsis thaliana]		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11497	Strand	-
Start	11942	End	15005
Name	OJ991202_12.9C29.C5.o4.gp	Method	AAT/GAP
Start	12774	End	13139
GI	428623	Score	728
Exons	12774..13139		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11498	Strand	-
Start	19793	End	19971

Name	OJ991202_12.9C29.C5.o7.gp	Method	AAT/GAP
Start	19793	End	19971
GI	none	Score	331
Exons	19793..19971		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o2.tw	Method	TBLASTX:Wheat
Start	5935	End	6313
GI	none	Score	57
Exons	5935..5994, 5959..6087, 5972..6109, 6048..6110, 6134..6310, 6159..6311, 6164..6313		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o4.tm	Method	TBLASTX:Maize
Start	6029	End	6607
GI	none	Score	185
Exons	6029..6082, 6129..6428, 6140..6607, 6480..6602		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o1.ts	Method	TBLASTX:Soybean
Start	8901	End	10954
GI	none	Score	75
Exons	8901..8993, 8901..8972, 9471..9548, 9499..9555, 9769..9873, 9794..9874, 9943..10134, 9966..10142, 9966..10142, 10249..10350, 10250..10345, 10255..10350, 10628..10666, 10632..10682, 10679..10699, 10683..10700, 10794..10943, 10796..10954		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o4.tc	Method	TBLASTX:Cress
Start	8901	End	10305
GI	none	Score	100
Exons	8901..8966, 9781..9873, 9943..10134, 9966..10133, 10231..10305, 10241..10303		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o2.tm	Method	TBLASTX:Maize
Start	9809	End	11244
GI	none	Score	109
Exons	9809..9877, 9809..9850, 9811..9900, 9813..9914, 9954..10139, 9969..10142, 9970..10140, 10232..10384, 10234..10350, 10627..10689, 10628..10699, 10628..10699, 10633..10701, 10794..10955, 10794..10949, 10796..10990, 11023..11076, 11192..11242, 11194..11244		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612

Name	OJ991202_12.9C29.C5.o5.tc	Method	TBLASTX:Cress
Start	10631	End	10982
GI	none	Score	34
Exons	10631..10666, 10632..10673, 10676..10705, 10680..10712, 10797..10982, 10799..10951		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o1.tw	Method	TBLASTX:Wheat
Start	12059	End	19679
GI	none	Score	269
Exons	12059..12364, 12060..12362, 19373..19678, 19374..19679		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o6.tm	Method	TBLASTX:Maize
Start	12071	End	19673
GI	none	Score	159
Exons	12071..12226, 12072..12227, 19511..19672, 19512..19673		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o4.ts	Method	TBLASTX:Soybean
Start	12137	End	19601
GI	none	Score	82
Exons	12137..12415, 12162..12308, 19323..19601, 19334..19600		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o1.tc	Method	TBLASTX:Cress
Start	12152	End	19588
GI	none	Score	95
Exons	12152..12439, 12162..12368, 12422..12481, 12461..12523, 19211..19252, 19212..19259, 19257..19316, 19299..19586, 19340..19588		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o3.tm	Method	TBLASTX:Maize
Start	12284	End	19457
GI	none	Score	186
Exons	12284..12346, 12353..12730, 12423..12710, 19008..19385, 19052..19384, 19398..19457		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o2.ts	Method	TBLASTX:Soybean
Start	12464	End	19274
GI	none	Score	108
Exons	12464..12844, 12465..12674, 12771..12830, 18888..19274, 18896..18967, 19064..19270		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o3.tc	Method	TBLASTX:Cress
Start	12584	End	19154
GI	none	Score	83
Exons	12584..12844, 12768..12830, 18831..19154, 18896..18961		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o2.tc	Method	TBLASTX:Cress
Start	13466	End	15700
GI	none	Score	321
Exons	13466..13690, 13501..13686, 14273..14371, 14285..14380, 14608..14697, 14610..14696, 15643..15699, 15644..15700		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o3.ts	Method	TBLASTX:Soybean
Start	13466	End	14380
GI	none	Score	353
Exons	13466..13690, 13501..13689, 14258..14380, 14273..14374		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o5.tm	Method	TBLASTX:Maize
Start	14315	End	16316
GI	none	Score	107
Exons	14315..14395, 14318..14395, 14569..14697, 14569..14688, 14576..14689, 14598..14696, 15643..15762, 15644..15763, 15758..15784, 15784..15882, 15786..15848, 16245..16316, 16247..16315		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o5.ts	Method	TBLASTX:Soybean
Start	14608	End	15765
GI	none	Score	134
Exons	14608..14697, 14610..14696, 15643..15762, 15644..15763, 15649..15765		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o7.tc	Method	TBLASTX:Cress
Start	16245	End	16364
GI	none	Score	209
Exons	16245..16364, 16245..16361, 16247..16363		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612

Name	OJ991202_12.9C29.C5.o7.tm	Method	TBLASTX:Maize
Start	16504	End	17439
GI	none	Score	107
Exons	16504..16614, 16504..16596, 16605..16670, 16606..16725, 16660..16725, 16708..16752, 16756..16833, 16867..16920, 16871..16918, 16873..16920, 16941..17015, 16943..17014, 17003..17065, 17030..17065, 17030..17101, 17031..17081, 17031..17120, 17040..17081, 17075..17242, 17110..17352, 17110..17241, 17110..17292, 17134..17241, 17149..17208, 17208..17264, 17214..17363, 17237..17368, 17291..17374, 17305..17439, 17341..17433		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11499	Strand	-
Start	21734	End	23612
Name	OJ991202_12.9C29.C5.o6.gs	Method	GENSCAN
Start	21734	End	23612
GI	none	Score	.93
Exons	21734..22075, 23580..23612		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11500	Strand	
Start	25972	End	26148
Name	OJ991202_12.9C29.C5.o8.tm	Method	TBLASTX:Maize
Start	25972	End	26148
GI	none	Score	176
Exons	25972..26037, 26014..26148, 26030..26146		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11501	Strand	
Start	26323	End	27983
Name	OJ991202_12.9C29.C5.o6.tc	Method	TBLASTX:Cress
Start	26323	End	26660
GI	none	Score	155
Exons	26323..26454, 26339..26455, 26553..26660, 26570..26635		

Seq. No.	5509	Seq. ID	OJ991202_12.9C29.C5
Gene No.	11501	Strand	
Start	26323	End	27983
Name	OJ991202_12.9C29.C5.o1.tm	Method	TBLASTX:Maize
Start	26410	End	27983
GI	none	Score	73
Exons	26410..26454, 26411..26455, 26538..26660, 26549..26641, 26614..26700, 26733..26858, 26736..26858, 26738..26860, 26749..26859, 26762..26884, 26975..27157, 26976..27152, 27253..27405, 27257..27415, 27257..27403, 27259..27414, 27797..27919, 27808..27897, 27951..27983		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11502	Strand	+
Start	1	End	176
Name	OJ991202_12.9C29.C6.o1.gp	Method	AAT/GAP
Start	1	End	176
GI	none	Score	300
Exons	1..176		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6

Gene No.	11503	Strand	+
Start	229	End	548
Name	OJ991202_12.9C29.C6.o1.gs	Method	GENSCAN
Start	229	End	548
GI	none	Score	.47
Exons	229..450, 474..548		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11504	Strand	+
Start	15841	End	22145
Name	OJ991202_12.9C29.C6.o6.np	Method	AAT/NAP
Start	15841	End	20789
GI	6957704	Score	855
Exons	15841..16009, 16682..16773, 17616..17696, 17827..17901, 17987..18088, 18436..18576, 19006..19071, 19223..19366, 20082..20172, 20631..20789		
GI Descrip.	(AC021640) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11504	Strand	+
Start	15841	End	22145
Name	OJ991202_12.9C29.C6.o5.gs	Method	GENSCAN
Start	18380	End	22145
GI	none	Score	.55
Exons	18380..18576, 19006..19071, 19223..19366, 20082..20172, 20631..20777, 21993..22145		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11505	Strand	+
Start	28550	End	37151
Name	OJ991202_12.9C29.C6.o8.np	Method	AAT/NAP
Start	28550	End	33422
GI	2792210	Score	651
Exons	28550..28577, 32239..33422		
GI Descrip.	(AF032683) NBS-LRR type resistance protein [Hordeum vulgare]		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11505	Strand	+
Start	28550	End	37151
Name	OJ991202_12.9C29.C6.o7.gs	Method	GENSCAN
Start	31545	End	37151
GI	none	Score	.75
Exons	31545..35922, 36346..36607, 36752..36972, 37018..37151		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11505	Strand	+
Start	28550	End	37151
Name	OJ991202_12.9C29.C6.o10.np	Method	AAT/NAP
Start	36327	End	36905
GI	3193294	Score	128
Exons	36327..36905		
GI Descrip.	(AF069298) similar to reverse transcriptases (Pfam: rvt.hmm, score: 53.76) [Arabidopsis thaliana]		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11506	Strand	-
Start	1	End	82

Name	OJ991202_12.9C29.C6.o1.np	Method	AAT/NAP
Start	1	End	82
GI	6728983	Score	109
Exons	1..82		
GI Descrip.	(AC018363) unknown protein [Arabidopsis thaliana]		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11507	Strand	-
Start	1007	End	3209
Name	OJ991202_12.9C29.C6.o2.gp	Method	AAT/GAP
Start	757	End	3209
GI	265_2.R1084	Score	1948
Exons	757..1145, 1245..1320, 1429..1611, 2078..2101, 2195..2242, 2639..2717, 2967..3209		
GI Descrip.	'3420055 1.0e-79 (AC004680) cyclophilin [Arabidopsis thaliana]'		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11507	Strand	-
Start	1007	End	3209
Name	OJ991202_12.9C29.C6.o2.gs	Method	GENSCAN
Start	1007	End	3032
GI	none	Score	.99
Exons	1007..1145, 1245..1320, 1429..1611, 2078..2101, 2195..2242, 2639..2717, 2967..3032		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11507	Strand	-
Start	1007	End	3209
Name	OJ991202_12.9C29.C6.o2.np	Method	AAT/NAP
Start	1010	End	2774
GI	3420055	Score	682
Exons	1010..1145, 1245..1320, 1429..1611, 2078..2101, 2195..2242, 2639..2774		
GI Descrip.	(AC004680) cyclophilin [Arabidopsis thaliana]		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11508	Strand	-
Start	4093	End	9061
Name	OJ991202_12.9C29.C6.o3.gp	Method	AAT/GAP
Start	3866	End	4155
GI	5004640	Score	536
Exons	3866..4155		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11508	Strand	-
Start	4093	End	9061
Name	OJ991202_12.9C29.C6.o3.gs	Method	GENSCAN
Start	4093	End	8911
GI	none	Score	.83
Exons	4093..4228, 4360..4435, 4550..4732, 5234..5257, 5351..5422, 5594..5672, 5939..6049, 6752..7043, 7210..7286, 7601..7781, 8511..8911		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11508	Strand	-
Start	4093	End	9061
Name	OJ991202_12.9C29.C6.o3.np	Method	AAT/NAP

Start	4093	End	5728
GI	2443755	Score	526
Exons	4093..4228, 4360..4435, 4550..4732, 5234..5257, 5351..5398, 5594..5728		
GI Descrip.	(AF020433) cyclophilin [Arabidopsis thaliana]		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11508	Strand	-
Start	4093	End	9061
Name	OJ991202_12.9C29.C6.o4.gp	Method	AAT/GAP
Start	6601	End	8636
GI	15354_2.R1084	Score	1225
Exons	6601..7043, 7601..7781, 8559..8636		
GI Descrip.	'2865175/dbj|BAA24803| 1.0e-40 (AB010945) AtRer1A [Arabidopsis thaliana] >gi_4914434_emb_CAB43637.1_ (AL050351) AtRer1A [Arabidopsis thaliana]'		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11508	Strand	-
Start	4093	End	9061
Name	OJ991202_12.9C29.C6.o4.np	Method	AAT/NAP
Start	7005	End	8911
GI	6225938	Score	694
Exons	7005..7043, 7601..7781, 8559..8911		
GI Descrip.	RER1A PROTEIN (ATRER1A) gi|2865175|dbj|BAA24803| (AB010945) AtRer1A [Arabidopsis thaliana] gi|4914434|emb|CAB43637.1| (AL050351) AtRer1A [Arabidopsis thaliana]		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11508	Strand	-
Start	4093	End	9061
Name	OJ991202_12.9C29.C6.o5.gp	Method	AAT/GAP
Start	8044	End	9061
GI	15354_1.R1084	Score	932
Exons	8044..8066, 8550..9061		
GI Descrip.	'2865177/dbj|BAA24804| 1.0e-46 (AB010946) AtRer1B [Arabidopsis thaliana]'		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11509	Strand	-
Start	9771	End	17693
Name	OJ991202_12.9C29.C6.o5.np	Method	AAT/NAP
Start	9714	End	12884
GI	2462735	Score	327
Exons	9714..10061, 10906..11022, 11154..11362, 11604..11746, 12560..12884		
GI Descrip.	(AC002292) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11509	Strand	-
Start	9771	End	17693
Name	OJ991202_12.9C29.C6.o4.gs	Method	GENSCAN
Start	9771	End	17693
GI	none	Score	.49
Exons	9771..10070, 10133..10225, 11605..11746, 12560..12753, 13731..13751, 14171..14286, 14983..15009, 15409..15492, 15741..16154, 16292..16445, 16480..16692, 17637..17693		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11510	Strand	-
Start	22217	End	28923
Name	OJ991202_12.9C29.C6.o6.gp	Method	AAT/GAP
Start	22217	End	26819
GI	956_1.R1084	Score	4028
Exons	22217..22787, 22974..23214, 23312..23413, 23822..23895, 23983..24120, 24239..24394, 24515..24664, 25012..25071, 25145..25272, 25406..25814, 26716..26819		
GI Descrip.	'5815410/gb|AAD52659.1|AF177392_1 0.0e+00 (AF177392) blast and wounding induced mitogen-activated protein kinase [Oryza sativa]'		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11510	Strand	-
Start	22217	End	28923
Name	OJ991202_12.9C29.C6.o6.gs	Method	GENSCAN
Start	22713	End	28923
GI	none	Score	.74
Exons	22713..22787, 22974..23214, 23312..23413, 23853..23929, 23983..24120, 24239..24394, 24515..24664, 25145..25272, 25406..25814, 26350..26372, 26490..26661, 26716..26850, 27034..27255, 27698..27764, 27895..28036, 28749..28923		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11510	Strand	-
Start	22217	End	28923
Name	OJ991202_12.9C29.C6.o7.np	Method	AAT/NAP
Start	22716	End	25802
GI	6689924	Score	2342
Exons	22716..22787, 22974..23214, 23312..23413, 23822..23895, 23983..24120, 24239..24394, 24515..24664, 25012..25071, 25145..25272, 25406..25802		
GI Descrip.	(AF194415) MAP kinase homolog [Oryza sativa]		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11510	Strand	-
Start	22217	End	28923
Name	OJ991202_12.9C29.C6.o7.gp	Method	AAT/GAP
Start	27288	End	27355
GI	LIB3477-003-P1-K1-E9	Score	83
Exons	27288..27355		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o2.tm	Method	TBLASTX:Maize
Start	974	End	4741
GI	none	Score	228
Exons	974..1168, 984..1145, 986..1147, 1244..1321, 1244..1333, 1245..1322, 1427..1615, 1428..1472, 1428..1619, 1430..1615, 4099..4227, 4100..4228, 4101..4232, 4337..4444, 4371..4442, 4372..4446, 4372..4446, 4541..4582, 4542..4736, 4549..4701,		

4637..4741

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o2.ts	Method	TBLASTX:Soybean
Start	1005	End	5675
GI	none	Score	179
Exons	1005..1145, 1006..1146, 1007..1168, 1013..1168, 1244..1333, 1245..1322, 1427..1615, 1427..1615, 1428..1619, 2078..2119, 2196..2243, 2635..2718, 2637..2729, 2637..2717, 2638..2718, 4099..4227, 4100..4228, 4127..4228, 4137..4232, 4371..4442, 4372..4446, 4542..4736, 4546..4704, 4548..4736, 5232..5261, 5235..5261, 5352..5399, 5353..5400, 5580..5675		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o2.tc	Method	TBLASTX:Cress
Start	1016	End	5399
GI	none	Score	95
Exons	1016..1144, 1023..1145, 1244..1333, 1245..1322, 1422..1475, 1427..1615, 1433..1612, 2604..2678, 4093..4257, 4154..4249, 4368..4442, 4369..4446, 4542..4736, 4549..4704, 5232..5261, 5352..5399		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o2.tw	Method	TBLASTX:Wheat
Start	1016	End	5633
GI	none	Score	100
Exons	1016..1144, 1023..1154, 1244..1333, 1245..1322, 1422..1472, 1427..1615, 1436..1612, 1512..1619, 2076..2102, 2199..2243, 4075..4257, 4106..4228, 4371..4436, 4374..4436, 4542..4736, 4549..4704, 5232..5258, 5355..5399, 5580..5633		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o3.tm	Method	TBLASTX:Maize
Start	6990	End	7792
GI	none	Score	76
Exons	6990..7055, 7000..7047, 7601..7792, 7601..7786, 7602..7787		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o4.tc	Method	TBLASTX:Cress
Start	7601	End	8851
GI	none	Score	196
Exons	7601..7792, 7602..7793, 8549..8851, 8556..8618		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o4.ts	Method	TBLASTX:Soybean

Start	7601	End	8894
GI	none	Score	132
Exons	7601..7786, 7601..7792, 7602..7793, 8552..8629, 8556..8606, 8618..8866, 8721..8894		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o6.tm	Method	TBLASTX:Maize
Start	8549	End	8894
GI	none	Score	94
Exons	8549..8644, 8550..8618, 8645..8863, 8718..8894		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o9.tm	Method	TBLASTX:Maize
Start	10967	End	11724
GI	none	Score	55
Exons	10967..11059, 10969..11058, 11159..11362, 11193..11360, 11205..11366, 11600..11653, 11602..11652, 11654..11722, 11656..11724		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o4.tm	Method	TBLASTX:Maize
Start	17440	End	20132
GI	none	Score	68
Exons	17440..17493, 17442..17498, 17445..17495, 17613..17696, 17614..17697, 17643..17705, 17819..17905, 17828..17902, 17830..17907, 17977..18081, 17981..18088, 17984..18088, 17985..18089, 17985..18089, 18416..18577, 18420..18578, 18425..18583, 18433..18579, 18433..18600, 19007..19069, 19007..19069, 19009..19071, 19199..19354, 19203..19364, 19220..19366, 20079..20132, 20080..20130		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o6.tc	Method	TBLASTX:Cress
Start	17837	End	19045
GI	none	Score	92
Exons	17837..17902, 17839..17904, 17981..18079, 17984..18088, 17985..18089, 17989..18093, 18425..18460, 18433..18459, 18449..18508, 18462..18518, 18517..18630, 18518..18577, 18986..19045		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o1.tm	Method	TBLASTX:Maize
Start	22996	End	25789
GI	none	Score	88
Exons	22996..23070, 22998..23069, 23101..23217, 23103..23216, 23310..23420, 23311..23421, 23312..23416, 23801..23896, 23824..23901, 23827..23898, 23828..23908, 23829..23900,		

23829..23909, 23970..24122, 23980..24123, 23984..24121,
23985..24122, 24209..24394, 24257..24397, 24265..24396,
24512..24667, 24519..24665, 24995..25072, 24999..25079,
24999..25073, 25003..25080, 25012..25080, 25143..25274,
25145..25285, 25386..25787, 25398..25787, 25409..25789

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o3.ts	Method	TBLASTX:Soybean
Start	23297	End	24667
GI	none	Score	54

Exons 23297..23344, 23311..23343, 23356..23421, 23357..23416,
23822..23896, 23824..23901, 23980..24123, 23984..24121,
24240..24392, 24257..24397, 24504..24665, 24509..24667,
24512..24667

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o5.tc	Method	TBLASTX:Cress
Start	23311	End	24121
GI	none	Score	111

Exons 23311..23421, 23824..23901, 23980..24114, 23980..24120,
23993..24121

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o3.tc	Method	TBLASTX:Cress
Start	24240	End	25080
GI	none	Score	80

Exons 24240..24395, 24257..24397, 24512..24664, 24516..24662,
24516..24665, 24995..25072, 25015..25080

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o1.ts	Method	TBLASTX:Soybean
Start	25018	End	25848
GI	none	Score	74

Exons 25018..25080, 25019..25072, 25029..25079, 25143..25283,
25145..25285, 25147..25341, 25148..25285, 25386..25817,
25398..25805, 25750..25848

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o1.tc	Method	TBLASTX:Cress
Start	25155	End	25814
GI	none	Score	124

Exons 25155..25283, 25157..25285, 25163..25312, 25168..25335,
25398..25814, 25399..25710

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142

Name	OJ991202_12.9C29.C6.o1.tw	Method	TBLASTX:Wheat
Start	25178	End	25748
GI	none	Score	72
Exons	25178..25285, 25185..25274, 25386..25748, 25398..25748		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o7.tm	Method	TBLASTX:Maize
Start	32448	End	32741
GI	none	Score	89
Exons	32448..32540, 32583..32741, 32594..32737		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o8.tm	Method	TBLASTX:Maize
Start	32859	End	33329
GI	none	Score	214
Exons	32859..33185, 32882..33109, 33285..33329		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o5.ts	Method	TBLASTX:Soybean
Start	32895	End	33359
GI	none	Score	234
Exons	32895..33203, 33285..33359		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o5.tm	Method	TBLASTX:Maize
Start	36626	End	38814
GI	none	Score	197
Exons	36626..36679, 36695..36901, 36699..36902, 36927..37043, 38278..38364, 38410..38640, 38531..38641, 38650..38814		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o3.tw	Method	TBLASTX:Wheat
Start	36741	End	38589
GI	none	Score	143
Exons	36741..36878, 36933..37145, 38272..38346, 38452..38589		

Seq. No.	5510	Seq. ID	OJ991202_12.9C29.C6
Gene No.	11511	Strand	-
Start	38134	End	39142
Name	OJ991202_12.9C29.C6.o8.gs	Method	GENSCAN
Start	38134	End	39142
GI	none	Score	.6
Exons	38134..38382, 38482..38578, 38714..38937, 38993..39142		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11512	Strand	+
Start	578	End	3903

Name	OJ991122_01.9C23.C1.o2.np	Method	AAT/NAP
Start	578	End	3903
GI	2388583	Score	163
Exons	578..598, 2011..2235, 3871..3903		
GI Descrip.	(AC000098) Similar to Synechocystis hypothetical protein (gb|D90908). [Arabidopsis thaliana]		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11512	Strand	+
Start	578	End	3903
Name	OJ991122_01.9C23.C1.o1.gs	Method	GENSCAN
Start	597	End	2312
GI	none	Score	.49
Exons	597..714, 999..1108, 1440..1541, 1732..2312		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11512	Strand	+
Start	578	End	3903
Name	OJ991122_01.9C23.C1.o1.np	Method	AAT/NAP
Start	1624	End	3550
GI	2832408	Score	113
Exons	1624..1763, 3454..3550		
GI Descrip.	(Y14209) R2R3-MYB transcription factor [Arabidopsis thaliana]		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11513	Strand	-
Start	3239	End	6405
Name	OJ991122_01.9C23.C1.o1.tw	Method	TBLASTX:Wheat
Start	1466	End	2240
GI	none	Score	100
Exons	1466..1546, 1487..1537, 2019..2237, 2102..2236, 2169..2240		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11513	Strand	-
Start	3239	End	6405
Name	OJ991122_01.9C23.C1.o1.gp	Method	AAT/GAP
Start	3203	End	3735
GI	702910	Score	667
Exons	3203..3345, 3438..3627, 3710..3735		
GI Descrip.	6002631/gb|AAF00071.1|AF093604_1 9.0e-32 (AF093604) apyrase [Arabidopsis thaliana]		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11513	Strand	-
Start	3239	End	6405
Name	OJ991122_01.9C23.C1.o3.np	Method	AAT/NAP
Start	3236	End	6405
GI	6006801	Score	1014
Exons	3236..3336, 3429..3627, 3710..3924, 4551..4645, 5125..5330, 5847..5939, 6041..6097, 6180..6405		
GI Descrip.	(AF156783) apyrase [Arabidopsis thaliana]		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11513	Strand	-
Start	3239	End	6405
Name	OJ991122_01.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	3239	End	6324

GI	none	Score	92
Exons	3239..3337, 3256..3339, 3257..3346, 3258..3347, 3415..3633, 3433..3636, 3437..3646, 3602..3925, 3709..3930, 3709..3924, 3710..3925, 4541..4651, 4549..4662, 5125..5334, 5127..5330, 5129..5341, 5844..5939, 5845..5949, 5846..5941, 6027..6098, 6038..6097, 6171..6311, 6175..6324		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11513	Strand	-
Start	3239	End	6405
Name	OJ991122_01.9C23.C1.o2.gs	Method	GENSCAN
Start	3239	End	6308
GI	none	Score	.94
Exons	3239..3345, 3438..3627, 3710..3924, 4551..4645, 5125..5330, 5847..5939, 6180..6308		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11513	Strand	-
Start	3239	End	6405
Name	OJ991122_01.9C23.C1.o1.ts	Method	TBLASTX:Soybean
Start	3240	End	5334
GI	none	Score	86
Exons	3240..3329, 3242..3346, 3243..3329, 3410..3511, 3429..3584, 3433..3645, 3433..3636, 3434..3646, 3695..3817, 3709..3816, 3710..3823, 3815..3925, 3825..3899, 4600..4662, 4601..4651, 5122..5253, 5125..5334, 5127..5330, 5290..5334		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11513	Strand	-
Start	3239	End	6405
Name	OJ991122_01.9C23.C1.o2.gp	Method	AAT/GAP
Start	3792	End	5897
GI	uC-osflcyp101a05b1	Score	878
Exons	3792..3924, 4551..4645, 5125..5330, 5847..5897		
GI Descrip.	'6002631/gb|AAF00071.1|AF093604_1 9.0e-32 (AF093604) apyrase [Arabidopsis thaliana]'		

Seq. No.	5511	Seq. ID	OJ991122_01.9C23.C1
Gene No.	11513	Strand	-
Start	3239	End	6405
Name	OJ991122_01.9C23.C1.o2.ts	Method	TBLASTX:Soybean
Start	5844	End	6303
GI	none	Score	56
Exons	5844..5939, 5844..5939, 6024..6098, 6038..6097, 6171..6302, 6175..6303		

Seq. No.	5512	Seq. ID	OJ991122_01.9C23.C2
Gene No.	11514	Strand	+
Start	2737	End	10531
Name	OJ991122_01.9C23.C2.o1.np	Method	AAT/NAP
Start	2709	End	4480
GI	6554183	Score	132
Exons	2709..2915, 4452..4480		
GI Descrip.	(AC011661) T23J18.11 [Arabidopsis thaliana]		

Seq. No.	5512	Seq. ID	OJ991122_01.9C23.C2
Gene No.	11514	Strand	+

Start	2737	End	10531
Name	OJ991122_01.9C23.C2.o2.gs	Method	GENSCAN
Start	2737	End	10531
GI	none	Score	.78
Exons	2737..3393, 3579..3671, 4025..4168, 4314..4499, 4806..4970, 7176..7250, 7334..7528, 9740..9949, 10523..10531		

Seq. No.	5512	Seq. ID	OJ991122_01.9C23.C2
Gene No.	11515	Strand	-
Start	52	End	674
Name	OJ991122_01.9C23.C2.o1.gs	Method	GENSCAN
Start	52	End	674
GI	none	Score	.81
Exons	52..361, 553..674		

Seq. No.	5512	Seq. ID	OJ991122_01.9C23.C2
Gene No.	11516	Strand	
Start	3034	End	3222
Name	OJ991122_01.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	3034	End	3222
GI	none	Score	176
Exons	3034..3129, 3039..3131, 3151..3222, 3165..3215		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11517	Strand	+
Start	13974	End	16953
Name	OJ991122_01.9C23.C3.o1.np	Method	AAT/NAP
Start	13974	End	16377
GI	4678924	Score	676
Exons	13974..14182, 14364..14594, 14673..14816, 14848..14934, 15036..15201, 15279..15485, 15587..15678, 15799..15979, 16106..16146, 16312..16377		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11517	Strand	+
Start	13974	End	16953
Name	OJ991122_01.9C23.C3.o4.gs	Method	GENSCAN
Start	13974	End	16953
GI	none	Score	.97
Exons	13974..14944, 15025..15201, 15279..15458, 15548..15642, 15728..15967, 16065..16179, 16333..16563, 16914..16953		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11517	Strand	+
Start	13974	End	16953
Name	OJ991122_01.9C23.C3.o1.gp	Method	AAT/GAP
Start	15090	End	15784
GI	uC-osroM202010c03a1	Score	824
Exons	15090..15201, 15279..15464, 15548..15642, 15728..15784		
GI Descrip.	'4678924/emb|CAB41315.1| 2.0e-46 (AL049711) putative protein [Arabidopsis thaliana]'		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11518	Strand	+
Start	16914	End	17682
Name	OJ991122_01.9C23.C3.o2.gp	Method	AAT/GAP

Start	16914	End	17682
GI	none	Score	1431
Exons	16914..17682		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11519	Strand	-
Start	6591	End	7212
Name	OJ991122_01.9C23.C3.o2.gs	Method	GENSCAN
Start	6591	End	7212
GI	none	Score	.89
Exons	6591..6643, 6891..7212		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o4.tm	Method	TBLASTX:Maize
Start	13952	End	14192
GI	none	Score	306
Exons	13952..14167, 13956..14192, 13971..14159, 13991..14191		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o2.tc	Method	TBLASTX:Cress
Start	13971	End	14174
GI	none	Score	263
Exons	13971..14174, 13974..14153, 13991..14161		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o2.ts	Method	TBLASTX:Soybean
Start	13974	End	14162
GI	none	Score	263
Exons	13974..14162, 13974..14156, 13991..14161		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	14598	End	15620
GI	none	Score	63
Exons	14598..14657, 14652..14759, 14669..14758, 15080..15112, 15115..15207, 15116..15208, 15271..15420, 15273..15467, 15277..15474, 15431..15475, 15533..15619, 15552..15620		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	15077	End	15480
GI	none	Score	150
Exons	15077..15199, 15079..15201, 15273..15458, 15277..15480		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809

Name	OJ991122_01.9C23.C3.o3.tm	Method	TBLASTX:Maize
Start	15091	End	15610
GI	none	Score	164
Exons	15091..15201, 15092..15208, 15092..15217, 15271..15420, 15273..15476, 15273..15476, 15277..15477, 15503..15610, 15542..15577		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o5.gs	Method	GENSCAN
Start	17578	End	26809
GI	none	Score	.42
Exons	17578..17647, 17771..17966, 20901..21156, 21194..21289, 21821..21979, 22234..22310, 23169..23330, 23482..23629, 24676..24699, 25885..26538, 26798..26809		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o2.np	Method	AAT/NAP
Start	22056	End	24235
GI	4585884	Score	354
Exons	22056..22185, 23006..23333, 23404..23629, 23720..24235		
GI Descrip.	(AC005850) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	23032	End	23536
GI	none	Score	239
Exons	23032..23217, 23036..23212, 23209..23358, 23213..23365, 23213..23362, 23214..23384, 23391..23534, 23395..23535, 23401..23535, 23402..23536		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o3.ts	Method	TBLASTX:Soybean
Start	23053	End	23340
GI	none	Score	67
Exons	23053..23115, 23131..23340, 23243..23332		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o1.tw	Method	TBLASTX:Wheat
Start	23131	End	23563
GI	none	Score	67
Exons	23131..23226, 23239..23331, 23240..23332, 23428..23556, 23435..23563		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o2.tm	Method	TBLASTX:Maize

Start	23540	End	24070
GI	none	Score	115
Exons	23540..23632, 23541..23633, 23542..23634, 23681..23845, 23714..24070, 23715..24056, 23903..24058		

Seq. No.	5513	Seq. ID	OJ991122_01.9C23.C3
Gene No.	11520	Strand	-
Start	17578	End	26809
Name	OJ991122_01.9C23.C3.o4.gp	Method	AAT/GAP
Start	25874	End	26335
GI	701303	Score	806
Exons	25874..26335		

Seq. No.	5514	Seq. ID	OJ991122_01.9C23.C4
Gene No.	11521	Strand	-
Start	751	End	5967
Name	OJ991122_01.9C23.C4.o2.gs	Method	GENSCAN
Start	751	End	5910
GI	none	Score	.65
Exons	751..947, 2286..2419, 3532..3652, 4835..4867, 5238..5436, 5639..5910		

Seq. No.	5514	Seq. ID	OJ991122_01.9C23.C4
Gene No.	11521	Strand	-
Start	751	End	5967
Name	OJ991122_01.9C23.C4.o2.tm	Method	TBLASTX:Maize
Start	5134	End	5300
GI	none	Score	185
Exons	5134..5292, 5135..5290, 5156..5296, 5160..5300, 5169..5300		

Seq. No.	5514	Seq. ID	OJ991122_01.9C23.C4
Gene No.	11521	Strand	-
Start	751	End	5967
Name	OJ991122_01.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	5140	End	5424
GI	none	Score	190
Exons	5140..5424		

Seq. No.	5514	Seq. ID	OJ991122_01.9C23.C4
Gene No.	11521	Strand	-
Start	751	End	5967
Name	OJ991122_01.9C23.C4.o1.np	Method	AAT/NAP
Start	5158	End	5967
GI	3786007	Score	529
Exons	5158..5436, 5639..5967		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5514	Seq. ID	OJ991122_01.9C23.C4
Gene No.	11521	Strand	-
Start	751	End	5967
Name	OJ991122_01.9C23.C4.o1.tw	Method	TBLASTX:Wheat
Start	5158	End	5382
GI	none	Score	91
Exons	5158..5382, 5159..5359		

Seq. No.	5514	Seq. ID	OJ991122_01.9C23.C4
Gene No.	11521	Strand	-

Start	751	End	5967
Name	OJ991122_01.9C23.C4.o1.tc	Method	TBLASTX:Cress
Start	5170	End	5395
GI	none	Score	69
Exons	5170..5394, 5201..5395		

Seq. No.	5514	Seq. ID	OJ991122_01.9C23.C4
Gene No.	11521	Strand	-
Start	751	End	5967
Name	OJ991122_01.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	5323	End	5966
GI	none	Score	102
Exons	5323..5397, 5324..5398, 5383..5439, 5395..5451, 5639..5848, 5640..5966, 5641..5961, 5660..5962		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11522	Strand	+
Start	11474	End	12017
Name	OJ991122_01.9C23.C5.o1.gp	Method	AAT/GAP
Start	11474	End	12017
GI	2173_1.R1084	Score	1088
Exons	11474..12017		
GI Descrip.	'5729704/gb|AAD48511.1|AC007927_1 2.0e-23 (AC007927) unknown protein, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11523	Strand	-
Start	1	End	2959
Name	OJ991122_01.9C23.C5.o1.np	Method	AAT/NAP
Start	1	End	2388
GI	3786007	Score	511
Exons	1..322, 604..840, 2362..2388		
GI Descrip.	(AC005499) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11523	Strand	-
Start	1	End	2959
Name	OJ991122_01.9C23.C5.o1.gs	Method	GENSCAN
Start	42	End	2959
GI	none	Score	.57
Exons	42..322, 604..931, 1901..1997, 2369..2470, 2584..2615, 2827..2959		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11524	Strand	-
Start	3839	End	10803
Name	OJ991122_01.9C23.C5.o2.gs	Method	GENSCAN
Start	3839	End	10803
GI	none	Score	.89
Exons	3839..3964, 4042..4362, 4629..4733, 4808..5020, 5170..5263, 5366..5436, 5512..5683, 5835..5877, 5968..6029, 6923..7016, 7155..7275, 7400..7631, 8020..8105, 8195..8402, 9051..9134, 9243..9329, 9544..9686, 9785..9860, 10305..10417, 10561..10803		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11524	Strand	-
Start	3839	End	10803

Name	OJ991122_01.9C23.C5.o2.np	Method	AAT/NAP
Start	4436	End	10481
GI	2500112	Score	490
Exons	4436..4462, 6424..6540, 6880..7016, 7155..7275, 7400..7631, 8020..8105, 8195..8402, 9051..9134, 9243..9329, 9550..9686, 9785..9860, 10305..10481		
GI Descrip.	ATP-DEPENDENT DNA HELICASE RECQ gi|1573732 (U32756) ATP-dependent DNA helicase (recQ) [Haemophilus influenzae Rd]		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o2.tc	Method	TBLASTX:Cress
Start	13	End	315
GI	none	Score	186
Exons	13..315		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	45	End	783
GI	none	Score	124
Exons	45..302, 91..306, 133..291, 597..779, 610..783		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	76	End	669
GI	none	Score	179
Exons	76..321, 85..288, 95..322, 581..667, 591..668, 604..669		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o4.ts	Method	TBLASTX:Soybean
Start	4521	End	4725
GI	none	Score	94
Exons	4521..4724, 4524..4712, 4531..4725		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	4608	End	5688
GI	none	Score	154
Exons	4608..4727, 4608..4733, 4609..4728, 4625..4744, 4808..4933, 4809..4934, 4840..4935, 4936..5007, 4940..5023, 4944..5021, 5160..5258, 5170..5262, 5171..5263, 5354..5437, 5356..5445, 5363..5437, 5365..5439, 5510..5686, 5512..5688, 5512..5685		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o6.tm	Method	TBLASTX:Maize
Start	7427	End	7627

GI	none	Score	92
Exons	7427..7627, 7464..7607		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	11598	End	11953
GI	none	Score	351
Exons	11598..11864, 11599..11865, 11824..11952, 11868..11951, 11870..11953		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o3.np	Method	AAT/NAP
Start	11608	End	13834
GI	6554175	Score	884
Exons	11608..12729, 12879..13074, 13150..13834		
GI Descrip.	(AC006072) unknown protein [Arabidopsis thaliana]		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o3.gs	Method	GENSCAN
Start	11625	End	13351
GI	none	Score	.95
Exons	11625..12715, 12868..13074, 13150..13351		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o3.ts	Method	TBLASTX:Soybean
Start	11628	End	11906
GI	none	Score	85
Exons	11628..11906, 11655..11882		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	11638	End	12641
GI	none	Score	91
Exons	11638..11877, 11664..11906, 11763..11906, 11922..12023, 12039..12188, 12430..12615, 12450..12641		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	12051	End	12708
GI	none	Score	132
Exons	12051..12197, 12261..12338, 12442..12708, 12450..12671		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834

Name	OJ991122_01.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	12066	End	13015
GI	none	Score	860
Exons	12066..12671, 12067..12714, 12078..12716, 12383..12721, 12407..12724, 12865..12975, 12866..13015, 12866..13012		

Seq. No.	5515	Seq. ID	OJ991122_01.9C23.C5
Gene No.	11525	Strand	-
Start	11625	End	13834
Name	OJ991122_01.9C23.C5.o5.tm	Method	TBLASTX:Maize
Start	13184	End	13432
GI	none	Score	112
Exons	13184..13270, 13184..13270, 13264..13323, 13266..13334, 13311..13337, 13343..13423, 13343..13432		

Seq. No.	5516	Seq. ID	OJ991122_01.9C23.C6
Gene No.	11526	Strand	
Start	12	End	178
Name	OJ991122_01.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	12	End	178
GI	none	Score	222
Exons	12..158, 13..162, 14..178, 14..166		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11527	Strand	+
Start	8466	End	17816
Name	OJ990822_51.9C23.C2.o2.gs	Method	GENSCAN
Start	8466	End	17816
GI	none	Score	.64
Exons	8466..8504, 8986..9052, 10454..10632, 10679..10811, 11237..11361, 13947..14042, 16159..16288, 16495..17816		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11527	Strand	+
Start	8466	End	17816
Name	OJ990822_51.9C23.C2.o4.gp	Method	AAT/GAP
Start	16134	End	16631
GI	none	Score	542
Exons	16134..16288, 16498..16631		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11527	Strand	+
Start	8466	End	17816
Name	OJ990822_51.9C23.C2.o2.np	Method	AAT/NAP
Start	16448	End	17783
GI	3482921	Score	356
Exons	16448..16557, 17155..17243, 17349..17783		
GI Descrip.	(AC003970) Unknown protein [Arabidopsis thaliana]		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11527	Strand	+
Start	8466	End	17816
Name	OJ990822_51.9C23.C2.o5.gp	Method	AAT/GAP
Start	17004	End	17510
GI	50369_1.R1084	Score	1007
Exons	17004..17510		
GI Descrip.	'4454051/emb|CAA23048.1| 5.0e-18 (AL035394) putative		

polygalacturonase [Arabidopsis thaliana]'

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11528	Strand	+
Start	29031	End	31501
Name	OJ990822_51.9C23.C2.o4.np	Method	AAT/NAP
Start	29031	End	31482
GI	6850840	Score	1001
Exons	29031..29372, 29645..29765, 29857..30031, 30128..30198, 30774..31482		
GI Descrip.	(AL132962) putative protein [Arabidopsis thaliana]		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11528	Strand	+
Start	29031	End	31501
Name	OJ990822_51.9C23.C2.o4.gs	Method	GENSCAN
Start	29085	End	31501
GI	none	Score	.87
Exons	29085..29372, 29645..29769, 30128..30198, 30774..31501		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11528	Strand	+
Start	29031	End	31501
Name	OJ990822_51.9C23.C2.o7.gp	Method	AAT/GAP
Start	29982	End	30864
GI	2799760	Score	291
Exons	29982..30031, 30128..30198, 30774..30864		
GI Descrip.	4454051/emb|CAA23048.1| 5.0e-18 (AL035394) putative polygalacturonase [Arabidopsis thaliana]		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11529	Strand	+
Start	36910	End	37971
Name	OJ990822_51.9C23.C2.o6.gs	Method	GENSCAN
Start	36910	End	37286
GI	none	Score	.64
Exons	36910..37057, 37198..37286		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11529	Strand	+
Start	36910	End	37971
Name	OJ990822_51.9C23.C2.o6.np	Method	AAT/NAP
Start	37004	End	37971
GI	6322736	Score	133
Exons	37004..37132, 37762..37820, 37911..37971		
GI Descrip.	42 kDa 5' to 3' exonuclease required for Okazaki fragment processing; Rad27p gi|140964|sp|P26793|RA27_YEAST STRUCTURE SPECIFIC ENDONUCLEASE RAD27 gi|320768|pir||S22267 hypothetical protein YKL113c - yeast (Saccharomyces cerevisiae) gi|248392|bbs|94324 (S93804) RAD2 homolog=YKL510 [Saccharomyces cerevisiae, Peptide, 382 aa] [Saccharomyces cerevisiae] gi|486190|emb		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11530	Strand	-
Start	1	End	5482
Name	OJ990822_51.9C23.C2.o1.np	Method	AAT/NAP

Start	1	End	5458
GI	5931655	Score	776
Exons	1..237, 352..493, 595..712, 804..911, 985..1059, 1865..2154, 2304..2465, 3038..3221, 4890..5068, 5192..5458		
GI Descrip.	(AJ011629) squamosa promoter binding protein-like 1 [Arabidopsis thaliana]		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11530	Strand	-
Start	1	End	5482
Name	OJ990822_51.9C23.C2.o1.gs	Method	GENSCAN
Start	99	End	5482
GI	none	Score	.98
Exons	99..237, 352..493, 595..712, 804..911, 985..1059, 1865..2094, 2177..2479, 3040..3221, 4890..5482		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11530	Strand	-
Start	1	End	5482
Name	OJ990822_51.9C23.C2.o2.gp	Method	AAT/GAP
Start	4929	End	5081
GI	2427896	Score	281
Exons	4929..5081		
GI Descrip.	6006395/emb|CAB56768.1| 1.0e-10 (AJ132096) squamosa promoter binding protein-like 12 [Arabidopsis thaliana] >gi_6006403_emb_CAB56769.1_ (AJ132097) squamosa promoter binding protein-like 12 [Arabidopsis thaliana]		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11531	Strand	-
Start	17653	End	17780
Name	OJ990822_51.9C23.C2.o6.gp	Method	AAT/GAP
Start	17653	End	17780
GI	428001	Score	195
Exons	17653..17780		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11532	Strand	-
Start	18326	End	28602
Name	OJ990822_51.9C23.C2.o3.gs	Method	GENSCAN
Start	18326	End	28602
GI	none	Score	.71
Exons	18326..18683, 19590..19795, 20127..20337, 20458..20633, 20711..20892, 21441..21590, 21611..22104, 25344..25568, 26634..26755, 27736..28275, 28438..28602		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11532	Strand	-
Start	18326	End	28602
Name	OJ990822_51.9C23.C2.o3.np	Method	AAT/NAP
Start	19589	End	21772
GI	6841326	Score	533
Exons	19589..19795, 20127..20225, 20253..20337, 20458..20633, 20711..20892, 21441..21590, 21700..21772		
GI Descrip.	(AF161456) HSPC338 [Homo sapiens]		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2

Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o2.tm	Method	TBLASTX:Maize
Start	91	End	3152
GI	none	Score	59
Exons	91..153, 93..179, 158..238, 159..239, 190..240, 202..243, 319..492, 339..512, 351..494, 352..504, 590..715, 590..715, 595..717, 801..923, 804..914, 982..1062, 984..1073, 986..1060, 1865..2083, 1865..2095, 1867..2097, 1867..2097, 2178..2300, 2179..2301, 2181..2291, 2298..2486, 2299..2478, 3026..3148, 3041..3142, 3042..3152, 3042..3149		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o4.ts	Method	TBLASTX:Soybean
Start	93	End	1062
GI	none	Score	67
Exons	93..170, 336..512, 590..715, 594..698, 800..922, 801..923, 810..914, 982..1062, 986..1057		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o9.tc	Method	TBLASTX:Cress
Start	801	End	1063
GI	none	Score	67
Exons	801..923, 807..914, 982..1062, 986..1063		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o9.ts	Method	TBLASTX:Soybean
Start	3041	End	5401
GI	none	Score	119
Exons	3041..3223, 3075..3224, 4887..5081, 4889..5077, 5339..5401		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o8.tc	Method	TBLASTX:Cress
Start	3110	End	5041
GI	none	Score	123
Exons	3110..3223, 3138..3224, 4887..5039, 4889..5041		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o7.tm	Method	TBLASTX:Maize
Start	3153	End	5168
GI	none	Score	105
Exons	3153..3224, 3155..3223, 4821..4973, 4884..4970, 4889..4972, 4967..5167, 4973..5167, 4974..5168		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073

Name	OJ990822_51.9C23.C2.o6.tm	Method	TBLASTX:Maize
Start	17496	End	17798
GI	none	Score	45
Exons	17496..17543, 17529..17564, 17562..17798, 17580..17651, 17627..17779		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o6.ts	Method	TBLASTX:Soybean
Start	17496	End	17798
GI	none	Score	45
Exons	17496..17543, 17529..17564, 17562..17798, 17580..17651, 17627..17779		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o7.tc	Method	TBLASTX:Cress
Start	17556	End	17780
GI	none	Score	59
Exons	17556..17615, 17616..17780, 17648..17779		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o5.tm	Method	TBLASTX:Maize
Start	19441	End	20343
GI	none	Score	35
Exons	19441..19518, 19560..19805, 19569..19805, 19580..19807, 20127..20153, 20151..20339, 20157..20342, 20173..20343		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o6.tc	Method	TBLASTX:Cress
Start	19586	End	19813
GI	none	Score	160
Exons	19586..19813, 19590..19796, 19616..19798		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o7.ts	Method	TBLASTX:Soybean
Start	19706	End	20634
GI	none	Score	68
Exons	19706..19807, 19737..19805, 20127..20210, 20127..20219, 20244..20342, 20251..20343, 20460..20633, 20461..20634		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o3.tm	Method	TBLASTX:Maize
Start	20455	End	21544
GI	none	Score	150
Exons	20455..20475, 20457..20633, 20457..20633, 20503..20634, 20522..20647, 20522..20635, 20710..20892, 20714..20899,		

20715..20906, 20778..20903, 21439..21540, 21440..21544

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o8.ts	Method	TBLASTX:Soybean
Start	20708	End	21904
GI	none	Score	149
Exons	20708..20899, 20733..20906, 21439..21564, 21440..21562, 21547..21591, 21548..21625, 21677..21904		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o2.tc	Method	TBLASTX:Cress
Start	21439	End	21886
GI	none	Score	109
Exons	21439..21591, 21440..21598, 21677..21886		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o8.tm	Method	TBLASTX:Maize
Start	21677	End	21922
GI	none	Score	56
Exons	21677..21778, 21678..21740, 21770..21922, 21783..21917		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o4.tc	Method	TBLASTX:Cress
Start	29139	End	29354
GI	none	Score	323
Exons	29139..29354, 29150..29353		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o2.ts	Method	TBLASTX:Soybean
Start	29144	End	30041
GI	none	Score	102
Exons	29144..29299, 29151..29369, 29159..29356, 29642..29767, 29653..29766, 29843..30022, 29844..30041, 29853..30041		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o1.tm	Method	TBLASTX:Maize
Start	29234	End	31696
GI	none	Score	219
Exons	29234..29374, 29235..29372, 29236..29373, 29640..29744, 29643..29756, 29644..29766, 29645..29767, 29819..30040, 29844..30041, 30125..30196, 30126..30197, 30126..30197, 30127..30204, 30752..31444, 30772..31416, 30773..31444, 31341..31448, 31479..31532, 31557..31589, 31563..31622, 31634..31696		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o2.tw	Method	TBLASTX:Wheat
Start	29645	End	30071
GI	none	Score	126
Exons	29645..29767, 29659..29769, 29837..30037, 29844..30071		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o5.tc	Method	TBLASTX:Cress
Start	29663	End	30197
GI	none	Score	121
Exons	29663..29761, 29841..30038, 30132..30197		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	30128	End	31342
GI	none	Score	89
Exons	30128..30196, 30129..30197, 30752..30922, 30772..30918, 30929..31342, 30931..30984, 30932..31339, 31015..31341		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o1.tc	Method	TBLASTX:Cress
Start	30770	End	31237
GI	none	Score	378
Exons	30770..31207, 30773..31237, 30925..31236		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o3.tw	Method	TBLASTX:Wheat
Start	31024	End	31288
GI	none	Score	249
Exons	31024..31272, 31025..31288		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o8.gp	Method	AAT/GAP
Start	32214	End	34848
GI	1657_1.R1084	Score	1488
Exons	32214..32545, 32629..32733, 33435..33625, 33757..33816, 34732..34848		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o4.tm	Method	TBLASTX:Maize
Start	32332	End	33816

GI	none	Score	131
Exons	32332..32481, 32334..32528, 32334..32531, 32518..32547, 32518..32547, 32629..32763, 32630..32734, 32631..32765, 33435..33635, 33436..33627, 33599..33628, 33757..33816, 33759..33815		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o5.ts	Method	TBLASTX:Soybean
Start	32349	End	32763
GI	none	Score	188
Exons	32349..32546, 32352..32546, 32354..32551, 32629..32763, 32630..32734		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o3.tc	Method	TBLASTX:Cress
Start	32357	End	33814
GI	none	Score	228
Exons	32357..32551, 32358..32546, 32629..32763, 32639..32734, 33435..33635, 33436..33627, 33453..33635, 33752..33814		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o5.gs	Method	GENSCAN
Start	32357	End	35073
GI	none	Score	.7
Exons	32357..32545, 32629..32733, 33435..33625, 33757..33816, 34732..34885, 35029..35073		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o5.np	Method	AAT/NAP
Start	32360	End	33832
GI	3204108	Score	753
Exons	32360..32545, 32629..32733, 33435..33625, 33757..33832		
GI Descrip.	(AJ006764) putative deoxycytidylate deaminase [Cicer arietinum]		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o1.tw	Method	TBLASTX:Wheat
Start	32395	End	32760
GI	none	Score	210
Exons	32395..32469, 32397..32552, 32397..32546, 32499..32558, 32629..32760, 32630..32734, 32631..32738		

Seq. No.	5517	Seq. ID	OJ990822_51.9C23.C2
Gene No.	11533	Strand	-
Start	32357	End	35073
Name	OJ990822_51.9C23.C2.o3.ts	Method	TBLASTX:Soybean
Start	33430	End	33854
GI	none	Score	197

Exons	33430..33627, 33432..33635, 33434..33652, 33690..33854, 33743..33823		
Seq. No.	5518	Seq. ID	OJ990822_51.9C23.C3
Gene No.	11534	Strand	+
Start	1	End	2833
Name	OJ990822_51.9C23.C3.o1.np	Method	AAT/NAP
Start	1	End	2833
GI	3047083	Score	556
Exons	1..19, 111..181, 375..454, 803..868, 1505..1555, 1646..1765, 1835..1919, 2342..2423, 2580..2688, 2765..2833		
GI Descrip.	(AF058914) similar to FLAP endonuclease-1 (SW:P39748) [Arabidopsis thaliana]		

Seq. No.	5518	Seq. ID	OJ990822_51.9C23.C3
Gene No.	11534	Strand	+
Start	1	End	2833
Name	OJ990822_51.9C23.C3.o1.gs	Method	GENSCAN
Start	139	End	2796
GI	none	Score	.66
Exons	139..164, 246..294, 407..454, 803..868, 1646..1765, 1835..1919, 2342..2423, 2580..2796		

Seq. No.	5518	Seq. ID	OJ990822_51.9C23.C3
Gene No.	11535	Strand	+
Start	3842	End	4156
Name	OJ990822_51.9C23.C3.o1.gp	Method	AAT/GAP
Start	3842	End	4156
GI	3769132	Score	552
Exons	3842..4156		

Seq. No.	5518	Seq. ID	OJ990822_51.9C23.C3
Gene No.	11536	Strand	-
Start	2988	End	3909
Name	OJ990822_51.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	401	End	1923
GI	none	Score	75
Exons	401..457, 800..868, 800..868, 801..875, 802..873, 1499..1558, 1499..1561, 1628..1765, 1643..1771, 1645..1773, 1812..1919, 1832..1921, 1832..1921, 1834..1923		

Seq. No.	5518	Seq. ID	OJ990822_51.9C23.C3
Gene No.	11536	Strand	-
Start	2988	End	3909
Name	OJ990822_51.9C23.C3.o2.tm	Method	TBLASTX:Maize
Start	2337	End	2824
GI	none	Score	66
Exons	2337..2426, 2340..2414, 2353..2427, 2571..2687, 2578..2697, 2581..2715, 2762..2824, 2764..2823		

Seq. No.	5518	Seq. ID	OJ990822_51.9C23.C3
Gene No.	11536	Strand	-
Start	2988	End	3909
Name	OJ990822_51.9C23.C3.o2.gs	Method	GENSCAN
Start	2988	End	3909
GI	none	Score	.44
Exons	2988..3091, 3741..3909		

Seq. No.	5519	Seq. ID	OJ990822_51.9C23.C4
Gene No.	11537	Strand	-
Start	328	End	1518
Name	OJ990822_51.9C23.C4.o1.gs	Method	GENSCAN
Start	328	End	1518
GI	none	Score	.73
Exons	328..1035, 1387..1518		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11538	Strand	+
Start	1846	End	4484
Name	OJ990822_51.9C23.C5.o1.gs	Method	GENSCAN
Start	1846	End	4484
GI	none	Score	.46
Exons	1846..2429, 3652..3880, 4422..4484		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11539	Strand	+
Start	11996	End	12508
Name	OJ990822_51.9C23.C5.o1.gp	Method	AAT/GAP
Start	11996	End	12508
GI	38782_1.R1084	Score	832
Exons	11996..12508		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11540	Strand	+
Start	12476	End	13069
Name	OJ990822_51.9C23.C5.o2.gp	Method	AAT/GAP
Start	12476	End	13069
GI	LIB3475-004-P1-K2-A5	Score	358
Exons	12476..12636, 13011..13069		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11541	Strand	+
Start	14687	End	18317
Name	OJ990822_51.9C23.C5.o3.gs	Method	GENSCAN
Start	14687	End	18085
GI	none	Score	.44
Exons	14687..18085		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11541	Strand	+
Start	14687	End	18317
Name	OJ990822_51.9C23.C5.o2.np	Method	AAT/NAP
Start	14915	End	18317
GI	4529972	Score	1738
Exons	14915..14961, 15595..15838, 16067..18317		
GI Descrip.	(AC002330) putative chloroplast outer envelope 86-like protein [Arabidopsis thaliana]		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11541	Strand	+

Start	14687	End	18317
Name	OJ990822_51.9C23.C5.o3.gp	Method	AAT/GAP
Start	15273	End	15760
GI	none	Score	861
Exons	15273..15760		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11542	Strand	+
Start	19507	End	19859
Name	OJ990822_51.9C23.C5.o4.gp	Method	AAT/GAP
Start	19507	End	19859
GI	2798644	Score	629
Exons	19507..19859		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11543	Strand	+
Start	30458	End	34737
Name	OJ990822_51.9C23.C5.o5.gs	Method	GENSCAN
Start	30458	End	34737
GI	none	Score	.92
Exons	30458..30547, 30720..30905, 31062..31273, 31891..32048, 32345..32503, 32651..32703, 32995..33135, 33518..33672, 34272..34737		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11543	Strand	+
Start	30458	End	34737
Name	OJ990822_51.9C23.C5.o4.np	Method	AAT/NAP
Start	30717	End	33314
GI	2781202	Score	549
Exons	30717..30852, 31012..31273, 31891..32052, 32360..32503, 32651..32703, 32995..33135, 33243..33314		
GI Descrip.	Chain A, Three-Dimensional Structure Of Human Electron Transfer Flavoprotein To 2.1 A Resolution		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11543	Strand	+
Start	30458	End	34737
Name	OJ990822_51.9C23.C5.o7.gp	Method	AAT/GAP
Start	30794	End	32017
GI	5005236	Score	830
Exons	30794..30905, 31062..31273, 31891..32017		
GI Descrip.	4503607/ref|NP_000117.1|pETFA| 2.0e-19 electron transfer flavoprotein, alpha polypeptide >gi_119636_sp_P13804_ETFA_HUMAN ELECTRON TRANSFER FLAVOPROTEIN ALPHA-SUBUNIT PRECURSOR (ALPHA-ETF) >gi_87351_pir__A31998 electron transfer flavoprotein alpha chain precursor - human >gi_182251 (J04058) electron transport flavoprotein [Homo sapiens]		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11544	Strand	-
Start	5025	End	10410
Name	OJ990822_51.9C23.C5.o2.gs	Method	GENSCAN
Start	5025	End	10410
GI	none	Score	.65
Exons	5025..5618, 5710..6494, 6853..6966, 8024..8218, 9868..10280, 10307..10410		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11544	Strand	-
Start	5025	End	10410
Name	OJ990822_51.9C23.C5.o1.np	Method	AAT/NAP
Start	5307	End	6389
GI	6539555	Score	1119
Exons	5307..5618, 5710..6389		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi|6539592|dbj|BAA88208.1| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11545	Strand	-
Start	19970	End	28533
Name	OJ990822_51.9C23.C5.o4.gs	Method	GENSCAN
Start	19970	End	28527
GI	none	Score	.53
Exons	19970..20071, 20781..20820, 21117..21154, 21259..21497, 21928..22025, 22468..22525, 24991..25146, 25267..25460, 25545..25756, 25814..26271, 27502..27712, 27748..28527		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11545	Strand	-
Start	19970	End	28533
Name	OJ990822_51.9C23.C5.o5.gp	Method	AAT/GAP
Start	20847	End	21007
GI	3767119	Score	285
Exons	20847..21007		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11545	Strand	-
Start	19970	End	28533
Name	OJ990822_51.9C23.C5.o6.gp	Method	AAT/GAP
Start	21039	End	21538
GI	62122_1.R1084	Score	955
Exons	21039..21538		
GI Descrip.	'4503607/ref|NP_000117.1|pETFA| 2.0e-19 electron transfer flavoprotein, alpha polypeptide >gi_119636_sp_P13804_ETFA_HUMAN ELECTRON TRANSFER FLAVOPROTEIN ALPHA-SUBUNIT PRECURSOR (ALPHA-ETF) >gi_87351_pir__A31998 electron transfer flavoprotein alpha chain precursor - human >gi_182251 (J04058) electron transport flavoprotein [Homo sapiens]'		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11545	Strand	-
Start	19970	End	28533
Name	OJ990822_51.9C23.C5.o3.np	Method	AAT/NAP
Start	24236	End	28533
GI	2586082	Score	4504
Exons	24236..28533		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11546	Strand	-
Start	33074	End	33511
Name	OJ990822_51.9C23.C5.o8.gp	Method	AAT/GAP

Start	33074	End	33511
GI	702523	Score	608
Exons	33074..33132, 33239..33511		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11547	Strand	-
Start	35343	End	37725
Name	OJ990822_51.9C23.C5.o9.gp	Method	AAT/GAP
Start	35089	End	37275
GI	none	Score	1305
Exons	35089..35525, 36137..36196, 36864..37010, 37232..37275		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11547	Strand	-
Start	35343	End	37725
Name	OJ990822_51.9C23.C5.o6.gs	Method	GENSCAN
Start	35343	End	37725
GI	none	Score	.88
Exons	35343..35525, 36137..36196, 36864..37010, 37232..37387, 37475..37558, 37637..37725		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o5.tw	Method	TBLASTX:Wheat
Start	5250	End	5531
GI	none	Score	225
Exons	5250..5531		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o1.tc	Method	TBLASTX:Cress
Start	16016	End	16969
GI	none	Score	52
Exons	16016..16063, 16088..16336, 16373..16945, 16375..16584, 16639..16878, 16928..16969		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o1.tm	Method	TBLASTX:Maize
Start	16181	End	18287
GI	none	Score	918
Exons	16181..17104, 16213..16584, 16626..16721, 16636..16857, 16754..17053, 16903..17079, 17094..17201, 17099..17263, 17108..17266, 17171..17353, 17190..17429, 17198..17356, 17245..17427, 17453..18070, 17494..17829, 17747..17929, 17905..18069, 18051..18287, 18056..18244		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o4.ts	Method	TBLASTX:Soybean
Start	16187	End	16606
GI	none	Score	143
Exons	16187..16384, 16225..16335, 16373..16606, 16388..16600,		

16435..16605

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o1.ts	Method	TBLASTX:Soybean
Start	16607	End	18134
GI	none	Score	335
Exons	16607..16921, 16633..16920, 16928..17092, 16930..17064, 17111..17254, 17195..17353, 17198..17356, 17269..17355, 17272..17421, 17426..18067, 17494..17829, 18051..18134		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o5.tc	Method	TBLASTX:Cress
Start	17492	End	17776
GI	none	Score	286
Exons	17492..17776, 17494..17775		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o11.tm	Method	TBLASTX:Maize
Start	21128	End	21456
GI	none	Score	59
Exons	21128..21181, 21131..21181, 21135..21185, 21217..21267, 21217..21303, 21227..21304, 21366..21416, 21371..21454, 21376..21456		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o7.tw	Method	TBLASTX:Wheat
Start	21159	End	21463
GI	none	Score	41
Exons	21159..21203, 21179..21268, 21184..21309, 21212..21316, 21375..21416, 21376..21417, 21421..21456, 21428..21463		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o2.ts	Method	TBLASTX:Soybean
Start	24251	End	24883
GI	none	Score	215
Exons	24251..24883, 24297..24695, 24732..24881		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o7.tc	Method	TBLASTX:Cress
Start	24260	End	24709
GI	none	Score	86
Exons	24260..24454, 24453..24611, 24488..24610, 24620..24709		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-

Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o3.tm	Method	TBLASTX:Maize
Start	24293	End	24778
GI	none	Score	192
Exons	24293..24580, 24303..24581, 24582..24713, 24587..24715, 24722..24778		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o1.tw	Method	TBLASTX:Wheat
Start	24647	End	25084
GI	none	Score	199
Exons	24647..25084, 24648..25079		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o10.tm	Method	TBLASTX:Maize
Start	24779	End	24952
GI	none	Score	81
Exons	24779..24949, 24782..24952, 24783..24950		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o8.tc	Method	TBLASTX:Cress
Start	24956	End	25198
GI	none	Score	87
Exons	24956..25198, 24957..25136		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o2.tm	Method	TBLASTX:Maize
Start	25019	End	25466
GI	none	Score	141
Exons	25019..25465, 25146..25466		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o3.tw	Method	TBLASTX:Wheat
Start	25085	End	25598
GI	none	Score	97
Exons	25085..25261, 25253..25597, 25257..25445, 25500..25598		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o3.ts	Method	TBLASTX:Soybean
Start	25262	End	25780
GI	5509260	Score	122
Exons	25262..25780, 25290..25439, 25318..25440, 25479..25643, 25622..25780		
GI Descrip.	-		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o4.tc	Method	TBLASTX:Cress
Start	25379	End	25649
GI	none	Score	172
Exons	25379..25648, 25380..25649		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o12.tm	Method	TBLASTX:Maize
Start	25466	End	25717
GI	none	Score	138
Exons	25466..25717, 25467..25685, 25493..25717		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o4.tw	Method	TBLASTX:Wheat
Start	26352	End	26713
GI	none	Score	59
Exons	26352..26474, 26353..26475, 26354..26713, 26358..26570, 26634..26684		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o3.tc	Method	TBLASTX:Cress
Start	26354	End	26819
GI	none	Score	55
Exons	26354..26818, 26364..26498, 26538..26819		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o6.ts	Method	TBLASTX:Soybean
Start	26372	End	26791
GI	none	Score	37
Exons	26372..26791, 26439..26504, 26538..26753		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o7.tm	Method	TBLASTX:Maize
Start	26387	End	26809
GI	none	Score	65
Exons	26387..26743, 26720..26809		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o8.ts	Method	TBLASTX:Soybean
Start	26813	End	27226
GI	none	Score	82
Exons	26813..26992, 27002..27115, 27122..27226		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o8.tm	Method	TBLASTX:Maize
Start	27287	End	27586
GI	none	Score	102
Exons	27287..27586, 27297..27581		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o2.tw	Method	TBLASTX:Wheat
Start	27291	End	27676
GI	none	Score	246
Exons	27291..27626, 27293..27676, 27544..27654, 27566..27658		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o6.tw	Method	TBLASTX:Wheat
Start	27886	End	28176
GI	none	Score	95
Exons	27886..28176, 27902..28126, 28051..28173		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o6.tc	Method	TBLASTX:Cress
Start	27961	End	28473
GI	none	Score	227
Exons	27961..28473		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o5.tm	Method	TBLASTX:Maize
Start	28015	End	28443
GI	none	Score	194
Exons	28015..28332, 28016..28324, 28330..28443		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o6.tm	Method	TBLASTX:Maize
Start	30719	End	33416
GI	none	Score	94
Exons	30719..30772, 30720..30815, 30720..30833, 30821..30907, 30823..30897, 30824..30907, 31049..31273, 31050..31274, 31071..31274, 31075..31275, 31888..31980, 31889..31981, 31982..32029, 31982..32047, 31984..32058, 32330..32494, 32334..32495, 32346..32498, 32347..32514, 32640..32705, 32649..32705, 32650..32715, 32988..33137, 32989..33135, 32991..33137, 32992..33138, 33240..33281, 33241..33321, 33242..33301, 33366..33416		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-

Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o7.ts	Method	TBLASTX:Soybean
Start	30722	End	31274
GI	none	Score	131
Exons	30722..30907, 30723..30908, 31061..31273, 31071..31274		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o9.ts	Method	TBLASTX:Soybean
Start	32644	End	33281
GI	none	Score	71
Exons	32644..32715, 32982..33137, 32986..33138, 33240..33281		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o9.tm	Method	TBLASTX:Maize
Start	35266	End	36176
GI	none	Score	39
Exons	35266..35292, 35355..35402, 35358..35525, 35359..35526, 35457..35531, 36134..36175, 36135..36176, 36135..36176		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o9.tc	Method	TBLASTX:Cress
Start	35344	End	37729
GI	none	Score	58
Exons	35344..35406, 35349..35459, 35400..35525, 35425..35448, 36134..36196, 36135..36197, 36135..36197, 36137..36199, 37241..37327, 37472..37558, 37476..37559, 37626..37727, 37637..37729		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o5.ts	Method	TBLASTX:Soybean
Start	35356	End	38623
GI	none	Score	147
Exons	35356..35526, 35361..35525, 35378..35530, 36120..36197, 36134..36196, 37341..37388, 37472..37558, 37473..37559, 37473..37559, 37626..37727, 37637..37729, 38300..38419, 38312..38419, 38320..38418, 38328..38420, 38491..38568, 38503..38622, 38503..38562, 38506..38574, 38507..38623		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o4.tm	Method	TBLASTX:Maize
Start	36863	End	38650
GI	none	Score	97
Exons	36863..36949, 36864..36941, 37232..37339, 37233..37337, 37233..37340, 37310..37396, 37317..37388, 37336..37389, 37472..37558, 37473..37559, 37473..37559, 37474..37560, 37626..37727, 37637..37729, 38122..38181, 38297..38419, 38300..38419, 38302..38421, 38304..38420, 38503..38631,		

38507..38650

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o2.tc	Method	TBLASTX:Cress
Start	38303	End	38623
GI	none	Score	115
Exons	38303..38419, 38309..38419, 38312..38419, 38328..38420, 38503..38622, 38503..38535, 38507..38623		

Seq. No.	5520	Seq. ID	OJ990822_51.9C23.C5
Gene No.	11548	Strand	-
Start	38532	End	38650
Name	OJ990822_51.9C23.C5.o10.gp	Method	AAT/GAP
Start	38532	End	38650
GI	568879	Score	185
Exons	38532..38650		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11549	Strand	+
Start	4238	End	5663
Name	OJ990822_51.9C23.C6.o2.np	Method	AAT/NAP
Start	4238	End	5663
GI	5852084	Score	81
Exons	4238..4282, 5580..5663		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11550	Strand	+
Start	6240	End	8116
Name	OJ990822_51.9C23.C6.o3.gs	Method	GENSCAN
Start	6240	End	7648
GI	none	Score	.86
Exons	6240..6325, 6409..6506, 6633..6771, 6866..6894, 7010..7106, 7197..7252, 7363..7470, 7592..7648		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11550	Strand	+
Start	6240	End	8116
Name	OJ990822_51.9C23.C6.o3.np	Method	AAT/NAP
Start	6440	End	8116
GI	4510341	Score	427
Exons	6440..6506, 6633..6771, 6866..6897, 6986..7106, 7165..7473, 7836..8116		
GI Descrip.	(AC006921) unknown protein [Arabidopsis thaliana]		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11551	Strand	-
Start	1459	End	3078
Name	OJ990822_51.9C23.C6.o1.gp	Method	AAT/GAP
Start	1459	End	2197
GI	2309806	Score	710
Exons	1459..1549, 1678..1878, 2096..2197		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11551	Strand	-

Start	1459	End	3078
Name	OJ990822_51.9C23.C6.o1.gs	Method	GENSCAN
Start	1472	End	3078
GI	none	Score	.9
Exons	1472..1549, 1678..1878, 2096..2167, 2234..2297, 2688..2758, 2932..3078		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11552	Strand	-
Start	4324	End	5021
Name	OJ990822_51.9C23.C6.o1.tw	Method	TBLASTX:Wheat
Start	469	End	890
GI	none	Score	89
Exons	469..534, 470..535, 637..699, 647..712, 648..710, 648..719, 768..890, 786..884		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11552	Strand	-
Start	4324	End	5021
Name	OJ990822_51.9C23.C6.o3.tm	Method	TBLASTX:Maize
Start	486	End	3141
GI	none	Score	61
Exons	486..530, 487..531, 487..522, 626..694, 626..694, 627..695, 789..917, 794..901, 1455..1550, 1457..1552, 1678..1878, 1679..1876, 2093..2170, 2096..2167, 2097..2168, 2243..2299, 2244..2315, 2688..2759, 2690..2758, 2691..2759, 2692..2760, 2923..2973, 2926..3081, 2927..3001, 3044..3082, 3082..3141		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11552	Strand	-
Start	4324	End	5021
Name	OJ990822_51.9C23.C6.o2.gs	Method	GENSCAN
Start	4324	End	4910
GI	none	Score	.5
Exons	4324..4460, 4610..4910		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11552	Strand	-
Start	4324	End	5021
Name	OJ990822_51.9C23.C6.o1.np	Method	AAT/NAP
Start	4414	End	5021
GI	4996284	Score	481
Exons	4414..5021		
GI Descrip.	(AB020973) heat shock protein 26 [Oryza sativa]		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11552	Strand	-
Start	4324	End	5021
Name	OJ990822_51.9C23.C6.o2.tm	Method	TBLASTX:Maize
Start	4428	End	4732
GI	none	Score	103
Exons	4428..4583, 4429..4608, 4429..4572, 4430..4573, 4455..4586, 4587..4724, 4588..4686, 4599..4730, 4610..4732, 4610..4732		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11552	Strand	-
Start	4324	End	5021

Name	OJ990822_51.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	4429	End	4735
GI	none	Score	61
Exons	4429..4569, 4430..4552, 4585..4689, 4587..4724, 4607..4735		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11552	Strand	-
Start	4324	End	5021
Name	OJ990822_51.9C23.C6.o2.tc	Method	TBLASTX:Cress
Start	4429	End	4849
GI	none	Score	56
Exons	4429..4569, 4430..4495, 4593..4724, 4594..4686, 4784..4843, 4793..4849		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11553	Strand	
Start	6419	End	7648
Name	OJ990822_51.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	6419	End	7647
GI	none	Score	68
Exons	6419..6502, 6622..6774, 6632..6772, 6692..6766, 6861..6893, 6863..6898, 7008..7103, 7009..7107, 7197..7250, 7197..7253, 7201..7281, 7296..7466, 7358..7471, 7359..7472, 7374..7427, 7593..7613, 7601..7633, 7602..7634, 7602..7646, 7603..7647		

Seq. No.	5521	Seq. ID	OJ990822_51.9C23.C6
Gene No.	11553	Strand	
Start	6419	End	7648
Name	OJ990822_51.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	6419	End	7648
GI	none	Score	69
Exons	6419..6502, 6670..6768, 6671..6772, 6672..6770, 6692..6763, 6861..6893, 6869..6892, 7008..7109, 7009..7107, 7014..7109, 7193..7252, 7194..7253, 7197..7250, 7198..7260, 7358..7471, 7359..7472, 7359..7472, 7360..7473, 7362..7466, 7374..7472, 7575..7646, 7576..7647, 7577..7648		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11554	Strand	+
Start	1	End	2210
Name	OJ990822_51.9C23.C7.o1.np	Method	AAT/NAP
Start	1	End	1412
GI	3319345	Score	750
Exons	1..395, 486..1412		
GI Descrip.	(AF077407) contains similarity to maize transposon MuDR (GB:M76978) [Arabidopsis thaliana]		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11554	Strand	+
Start	1	End	2210
Name	OJ990822_51.9C23.C7.o1.gs	Method	GENSCAN
Start	51	End	2210
GI	none	Score	.94
Exons	51..395, 486..651, 1163..1335, 1482..1754, 2130..2210		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11555	Strand	-

Start	4453	End	10168
Name	OJ990822_51.9C23.C7.o2.gs	Method	GENSCAN
Start	4453	End	10168
GI	none	Score	.41
Exons	4453..4594, 4820..5053, 5170..5236, 5302..5437, 5795..5940, 6719..6920, 7256..7464, 7549..7818, 8769..9032, 10117..10168		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11555	Strand	-
Start	4453	End	10168
Name	OJ990822_51.9C23.C7.o2.np	Method	AAT/NAP
Start	4803	End	5029
GI	3915597	Score	149
Exons	4803..5029		
GI Descrip.	AGAMOUS PROTEIN		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11555	Strand	-
Start	4453	End	10168
Name	OJ990822_51.9C23.C7.o1.gp	Method	AAT/GAP
Start	8115	End	8221
GI	5771201	Score	126
Exons	8115..8221		
GI Descrip.	287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o2.tm	Method	TBLASTX:Maize
Start	519	End	1106
GI	none	Score	50
Exons	519..572, 594..932, 981..1106		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o2.ts	Method	TBLASTX:Soybean
Start	768	End	1460
GI	none	Score	218
Exons	768..1211, 1239..1277, 1350..1460		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o2.tc	Method	TBLASTX:Cress
Start	4723	End	4965
GI	none	Score	85
Exons	4723..4962, 4804..4965		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o3.tm	Method	TBLASTX:Maize
Start	4771	End	4966
GI	none	Score	97
Exons	4771..4950, 4804..4965, 4805..4966		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o3.ts	Method	TBLASTX:Soybean
Start	4796	End	4978
GI	none	Score	68
Exons	4796..4978, 4804..4965		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o3.gs	Method	GENSCAN
Start	11498	End	13829
GI	none	Score	.69
Exons	11498..11679, 12497..12584, 12678..12743, 12828..13112, 13194..13319, 13420..13517, 13621..13686, 13784..13829		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	12435	End	13835
GI	none	Score	50
Exons	12435..12479, 12436..12501, 12495..12584, 12498..12584, 12675..12743, 12676..12729, 12825..12899, 12826..12900, 12999..13112, 13000..13113, 13191..13325, 13195..13284, 13400..13513, 13402..13524, 13622..13687, 13623..13706, 13779..13835		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o3.np	Method	AAT/NAP
Start	12438	End	13823
GI	6899902	Score	600
Exons	12438..12584, 12678..12743, 12828..12912, 13003..13112, 13194..13319, 13420..13517, 13621..13686, 13784..13823		
GI Descrip.	(AL138642) putative protein [Arabidopsis thaliana]		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o1.tc	Method	TBLASTX:Cress
Start	12498	End	13694
GI	none	Score	73
Exons	12498..12584, 12500..12574, 12675..12791, 12716..12739, 12843..12899, 12850..12900, 13011..13112, 13012..13113, 13191..13325, 13207..13284, 13265..13312, 13417..13524, 13418..13513, 13622..13687, 13626..13694		

Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o1.ts	Method	TBLASTX:Soybean
Start	12498	End	13811
GI	none	Score	40

Exons	12498..12596, 12675..12743, 12681..12743, 12825..12899, 12825..12917, 12829..12918, 13006..13113, 13008..13112, 13191..13313, 13191..13325, 13417..13524, 13418..13495, 13432..13518, 13622..13687, 13623..13691, 13779..13811		
Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o2.tw	Method	TBLASTX:Wheat
Start	12498	End	13028
GI	none	Score	40
Exons	12498..12557, 12675..12761, 12825..12911, 13008..13028		
Seq. No.	5522	Seq. ID	OJ990822_51.9C23.C7
Gene No.	11556	Strand	-
Start	11498	End	13835
Name	OJ990822_51.9C23.C7.o1.tw	Method	TBLASTX:Wheat
Start	13035	End	13817
GI	none	Score	60
Exons	13035..13112, 13191..13325, 13416..13457, 13420..13515, 13432..13515, 13622..13687, 13779..13817		
Seq. No.	5523	Seq. ID	OJ990822_51.9C23.C8
Gene No.	11557	Strand	-
Start	1	End	640
Name	OJ990822_51.9C23.C8.o1.np	Method	AAT/NAP
Start	1	End	640
GI	2498930	Score	744
Exons	1..404, 572..640		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		
Seq. No.	5523	Seq. ID	OJ990822_51.9C23.C8
Gene No.	11557	Strand	-
Start	1	End	640
Name	OJ990822_51.9C23.C8.o1.gs	Method	GENSCAN
Start	10	End	631
GI	none	Score	1
Exons	10..404, 572..631		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11558	Strand	+
Start	1258	End	3049
Name	OJ990822_50.9C23.C1.o1.gp	Method	AAT/GAP
Start	1258	End	3049
GI	34759_1.R1084	Score	1760
Exons	1258..1376, 1748..1837, 1942..2100, 2376..2602, 2712..3049		
GI Descrip.	'5921722/sp|O65333|CFI_ELAUM 6.0e-11 CHALCONE--FLAVONONE ISOMERASE (CHALCONE ISOMERASE) >gi_3126969 (AF061808) chalcone isomerase [Elaeagnus umbellata]'		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11558	Strand	+
Start	1258	End	3049
Name	OJ990822_50.9C23.C1.o1.gs	Method	GENSCAN
Start	1759	End	2873
GI	none	Score	.87

Exons	1759..1810, 1942..2100, 2376..2602, 2712..2873		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11559	Strand	-
Start	1	End	282
Name	OJ990822_50.9C23.C1.o1.np	Method	AAT/NAP
Start	1	End	282
GI	6721543	Score	94
Exons	1..52, 155..282		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11560	Strand	-
Start	5099	End	5611
Name	OJ990822_50.9C23.C1.o2.np	Method	AAT/NAP
Start	5073	End	5584
GI	6630539	Score	307
Exons	5073..5584		
GI Descrip.	(AC011708) putative RING zinc finger protein [Arabidopsis thaliana]		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11560	Strand	-
Start	5099	End	5611
Name	OJ990822_50.9C23.C1.o2.gs	Method	GENSCAN
Start	5099	End	5611
GI	none	Score	.99
Exons	5099..5611		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o2.tm	Method	TBLASTX:Maize
Start	1747	End	2867
GI	none	Score	103
Exons	1747..1839, 1749..1841, 1940..2002, 1941..2003, 1979..2095, 1980..2099, 2347..2580, 2363..2581, 2709..2867, 2711..2863		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o1.ts	Method	TBLASTX:Soybean
Start	1768	End	2881
GI	none	Score	70
Exons	1768..1839, 1941..2018, 2016..2099, 2347..2601, 2375..2605, 2726..2881, 2727..2867		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o2.tc	Method	TBLASTX:Cress
Start	1768	End	2557
GI	none	Score	69
Exons	1768..1839, 1940..2098, 1941..2099, 2347..2556, 2363..2557		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-

Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o3.ts	Method	TBLASTX:Soybean
Start	5094	End	5353
GI	4298640	Score	138
Exons	5094..5279, 5147..5353		
GI Descrip.	3790575 3.0e-26 (AF078825) RING-H2 finger protein RHA3b [Arabidopsis thaliana]		

Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o3.tc	Method	TBLASTX:Cress
Start	5111	End	5309
GI	none	Score	115
Exons	5111..5308, 5148..5309		

Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o3.tm	Method	TBLASTX:Maize
Start	5124	End	5297
GI	none	Score	127
Exons	5124..5150, 5136..5297, 5138..5296		

Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o3.gs	Method	GENSCAN
Start	6602	End	8750
GI	none	Score	.62
Exons	6602..6640, 6978..7179, 8440..8750		

Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o3.gp	Method	AAT/GAP
Start	7295	End	8910
GI	998_2.R1084	Score	1494
Exons	7295..7726, 8440..8910		
GI Descrip.	'1261917/emb|CAA65680| 2.0e-31 (X96979) lipid transfer protein 7a2b [Hordeum vulgare]'		

Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o3.np	Method	AAT/NAP
Start	8433	End	8786
GI	1261917	Score	365
Exons	8433..8786		
GI Descrip.	(X96979) lipid transfer protein 7a2b [Hordeum vulgare]		

Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o1.tm	Method	TBLASTX:Maize
Start	8434	End	8717
GI	none	Score	105

Exons	8434..8526, 8439..8645, 8584..8646, 8622..8717, 8647..8703		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o1.tw	Method	TBLASTX:Wheat
Start	8440	End	8717
GI	none	Score	75
Exons	8440..8523, 8442..8645, 8587..8631, 8622..8717		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o1.tc	Method	TBLASTX:Cress
Start	8442	End	8711
GI	none	Score	264
Exons	8442..8711		
Seq. No.	5524	Seq. ID	OJ990822_50.9C23.C1
Gene No.	11561	Strand	-
Start	6602	End	8910
Name	OJ990822_50.9C23.C1.o2.ts	Method	TBLASTX:Soybean
Start	8445	End	8723
GI	none	Score	265
Exons	8445..8723		
Seq. No.	5525	Seq. ID	OJ990822_50.9C23.C2
Gene No.	11562	Strand	+
Start	275	End	431
Name	OJ990822_50.9C23.C2.o1.gp	Method	AAT/GAP
Start	275	End	431
GI	533_1.R1084	Score	165
Exons	275..355, 378..431		
GI Descrip.	'113172/sp|P15543|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		
Seq. No.	5525	Seq. ID	OJ990822_50.9C23.C2
Gene No.	11563	Strand	-
Start	1	End	2388
Name	OJ990822_50.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	2388
GI	6063557	Score	227
Exons	1..27, 1851..1982, 2230..2388		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		
Seq. No.	5525	Seq. ID	OJ990822_50.9C23.C2
Gene No.	11564	Strand	-
Start	4539	End	4801
Name	OJ990822_50.9C23.C2.o2.gs	Method	GENSCAN
Start	4539	End	4801
GI	none	Score	.83
Exons	4539..4690, 4735..4801		
Seq. No.	5525	Seq. ID	OJ990822_50.9C23.C2
Gene No.	11565	Strand	-

Start	5765	End	5839
Name	OJ990822_50.9C23.C2.o2.gp	Method	AAT/GAP
Start	5765	End	5839
GI	LIB3477-003-P1-K1-E9	Score	108
Exons	5765..5839		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5526	Seq. ID	OJ990822_50.9C23.C3
Gene No.	11566	Strand	+
Start	1144	End	2256
Name	OJ990822_50.9C23.C3.o1.gs	Method	GENSCAN
Start	1144	End	2256
GI	none	Score	.67
Exons	1144..1276, 1828..1869, 2231..2256		

Seq. No.	5527	Seq. ID	OJ990822_50.9C23.C4
Gene No.	11567	Strand	+
Start	1	End	492
Name	OJ990822_50.9C23.C4.o1.np	Method	AAT/NAP
Start	1	End	406
GI	5852172	Score	93
Exons	1..37, 201..241, 309..406		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	5527	Seq. ID	OJ990822_50.9C23.C4
Gene No.	11567	Strand	+
Start	1	End	492
Name	OJ990822_50.9C23.C4.o1.gs	Method	GENSCAN
Start	201	End	492
GI	none	Score	.41
Exons	201..306, 327..492		

Seq. No.	5527	Seq. ID	OJ990822_50.9C23.C4
Gene No.	11568	Strand	+
Start	3793	End	4963
Name	OJ990822_50.9C23.C4.o2.gs	Method	GENSCAN
Start	3793	End	4963
GI	none	Score	.86
Exons	3793..3868, 4616..4801, 4830..4963		

Seq. No.	5527	Seq. ID	OJ990822_50.9C23.C4
Gene No.	11569	Strand	-
Start	4162	End	5027
Name	OJ990822_50.9C23.C4.o2.gp	Method	AAT/GAP
Start	4162	End	5027
GI	998_1.R1084	Score	1273
Exons	4162..4500, 4607..5027		
GI Descrip.	'1261917/emb|CAA65680| 6.0e-31 (X96979) lipid transfer protein 7a2b [Hordeum vulgare]'		

Seq. No.	5527	Seq. ID	OJ990822_50.9C23.C4
Gene No.	11569	Strand	-
Start	4162	End	5027
Name	OJ990822_50.9C23.C4.o1.tw	Method	TBLASTX:Wheat
Start	4573	End	4872

GI	none	Score	171
Exons	4573..4797, 4607..4798, 4789..4872		

Seq. No.	5527	Seq. ID	OJ990822_50.9C23.C4
Gene No.	11569	Strand	-
Start	4162	End	5027
Name	OJ990822_50.9C23.C4.o1.ts	Method	TBLASTX:Soybean
Start	4597	End	4872
GI	none	Score	57
Exons	4597..4698, 4613..4693, 4699..4872, 4709..4792, 4835..4870		

Seq. No.	5527	Seq. ID	OJ990822_50.9C23.C4
Gene No.	11569	Strand	-
Start	4162	End	5027
Name	OJ990822_50.9C23.C4.o1.tc	Method	TBLASTX:Cress
Start	4598	End	4872
GI	none	Score	149
Exons	4598..4867, 4600..4872		

Seq. No.	5527	Seq. ID	OJ990822_50.9C23.C4
Gene No.	11569	Strand	-
Start	4162	End	5027
Name	OJ990822_50.9C23.C4.o2.np	Method	AAT/NAP
Start	4600	End	4953
GI	1261917	Score	351
Exons	4600..4953		
GI Descrip.	(X96979) lipid transfer protein 7a2b [Hordeum vulgare]		

Seq. No.	5527	Seq. ID	OJ990822_50.9C23.C4
Gene No.	11569	Strand	-
Start	4162	End	5027
Name	OJ990822_50.9C23.C4.o1.tm	Method	TBLASTX:Maize
Start	4606	End	4872
GI	none	Score	203
Exons	4606..4806, 4607..4795, 4789..4872, 4814..4870		

Seq. No.	5528	Seq. ID	OJ990822_50.9C23.C5
Gene No.	11570	Strand	+
Start	904	End	1316
Name	OJ990822_50.9C23.C5.o1.gs	Method	GENSCAN
Start	904	End	1316
GI	none	Score	.8
Exons	904..949, 1159..1316		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11571	Strand	+
Start	5561	End	11833
Name	OJ990822_50.9C23.C6.o3.gs	Method	GENSCAN
Start	5561	End	7408
GI	none	Score	.69
Exons	5561..5693, 6572..6675, 7238..7408		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11571	Strand	+
Start	5561	End	11833
Name	OJ990822_50.9C23.C6.o4.np	Method	AAT/NAP
Start	6734	End	11833

GI	6815062	Score	541
Exons	6734..6766, 10846..10892, 10984..11319, 11386..11484, 11552..11833		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11571	Strand	+
Start	5561	End	11833
Name	OJ990822_50.9C23.C6.o5.gs	Method	GENSCAN
Start	10414	End	11796
GI	none	Score	.87
Exons	10414..10474, 10638..10844, 11021..11289, 11386..11484, 11752..11796		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11572	Strand	-
Start	1	End	809
Name	OJ990822_50.9C23.C6.o1.gp	Method	AAT/GAP
Start	1	End	735
GI	278_2.R1084	Score	1093
Exons	1..147, 286..735		
GI Descrip.	'68843/pir||EPRZ 8.0e-30 phospholipid transfer protein homolog - rice >gi_4139635_pdb_1RZL_ Rice Nonspecific Lipid Transfer Protein >gi_5107522_pdb_1BV2_ Lipid Transfer Protein From Rice Seeds, Nmr, 14 Structures'		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11572	Strand	-
Start	1	End	809
Name	OJ990822_50.9C23.C6.o2.gp	Method	AAT/GAP
Start	1	End	809
GI	278_4.R1084	Score	896
Exons	1..70, 93..147, 286..809		
GI Descrip.	'68843/pir||EPRZ 8.0e-30 phospholipid transfer protein homolog - rice >gi_4139635_pdb_1RZL_ Rice Nonspecific Lipid Transfer Protein >gi_5107522_pdb_1BV2_ Lipid Transfer Protein From Rice Seeds, Nmr, 14 Structures'		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11572	Strand	-
Start	1	End	809
Name	OJ990822_50.9C23.C6.o1.gs	Method	GENSCAN
Start	138	End	626
GI	none	Score	.97
Exons	138..147, 286..626		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11572	Strand	-
Start	1	End	809
Name	OJ990822_50.9C23.C6.o1.np	Method	AAT/NAP
Start	279	End	626
GI	2506826	Score	561
Exons	279..626		
GI Descrip.	NONSPECIFIC LIPID-TRANSFER PROTEIN 1 PRECURSOR (LTP 1) (PAPI) gi|1619604|emb|CAA69949.1| (Y08691) lipid transfer protein		

[Oryza sativa] gi|1667590 (U77295) lipid transfer protein [Oryza sativa]

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11573	Strand	-
Start	1034	End	4838
Name	OJ990822_50.9C23.C6.o2.gs	Method	GENSCAN
Start	1034	End	4756
GI	none	Score	.74
Exons	1034..1115, 1594..1752, 4413..4756		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11573	Strand	-
Start	1034	End	4838
Name	OJ990822_50.9C23.C6.o3.gp	Method	AAT/GAP
Start	3960	End	4838
GI	278_3.R1084	Score	1512
Exons	3960..4310, 4413..4838		
GI Descrip.	'2497746/sp|Q42978|NLT2_ORYSA 3.0e-36 NONSPECIFIC LIPID-TRANSFER PROTEIN 2 PRECURSOR (LTP 2) >gi_951334 (U31766) lipid transfer protein precursor [Oryza sativa]'		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11573	Strand	-
Start	1034	End	4838
Name	OJ990822_50.9C23.C6.o2.np	Method	AAT/NAP
Start	4406	End	4756
GI	2497746	Score	549
Exons	4406..4756		
GI Descrip.	NONSPECIFIC LIPID-TRANSFER PROTEIN 2 PRECURSOR (LTP 2) gi|951334 (U31766) lipid transfer protein precursor [Oryza sativa]		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11574	Strand	-
Start	9685	End	10219
Name	OJ990822_50.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	283	End	10048
GI	none	Score	96
Exons	283..333, 285..461, 286..405, 369..437, 394..468, 496..552, 504..551, 4412..4588, 4413..4472, 4587..4622, 4623..4694, 4625..4693, 4678..4710, 9784..10047, 9785..10048		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11574	Strand	-
Start	9685	End	10219
Name	OJ990822_50.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	283	End	10017
GI	none	Score	89
Exons	283..330, 285..461, 286..405, 369..452, 394..465, 4412..4588, 4413..4472, 9784..10017, 9785..10000		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11574	Strand	-
Start	9685	End	10219
Name	OJ990822_50.9C23.C6.o1.tw	Method	TBLASTX:Wheat
Start	288	End	10048
GI	none	Score	253

Exons	288..461, 504..551, 4415..4588, 4628..4681, 9785..10048, 9787..10047		
Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11574	Strand	-
Start	9685	End	10219
Name	OJ990822_50.9C23.C6.o4.gp	Method	AAT/GAP
Start	9403	End	10219
GI	280_1.R1084	Score	1378
Exons	9403..9694, 9785..10219		
GI Descrip.	'2497748/sp|Q42976|NLT4_ORYSA 7.0e-34 NONSPECIFIC LIPID-TRANSFER PROTEIN 4 PRECURSOR (LTP 4) >gi_902058 (U29176) lipid transfer protein precursor [Oryza sativa]'		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11574	Strand	-
Start	9685	End	10219
Name	OJ990822_50.9C23.C6.o4.gs	Method	GENSCAN
Start	9685	End	10140
GI	none	Score	.48
Exons	9685..9694, 9785..10140		

Seq. No.	5529	Seq. ID	OJ990822_50.9C23.C6
Gene No.	11574	Strand	-
Start	9685	End	10219
Name	OJ990822_50.9C23.C6.o3.np	Method	AAT/NAP
Start	9778	End	10074
GI	2497748	Score	494
Exons	9778..10074		
GI Descrip.	NONSPECIFIC LIPID-TRANSFER PROTEIN 4 PRECURSOR (LTP 4) gi|902058 (U29176) lipid transfer protein precursor [Oryza sativa]		

Seq. No.	5530	Seq. ID	OJ990822_50.9C23.C7
Gene No.	11575	Strand	+
Start	1317	End	1361
Name	OJ990822_50.9C23.C7.o1.gs	Method	GENSCAN
Start	1317	End	1361
GI	none	Score	.46
Exons	1317..1361		

Seq. No.	5530	Seq. ID	OJ990822_50.9C23.C7
Gene No.	11576	Strand	-
Start	1	End	492
Name	OJ990822_50.9C23.C7.o1.np	Method	AAT/NAP
Start	1	End	492
GI	728832	Score	328
Exons	1..34, 188..492		
GI Descrip.	**** ALU SUBFAMILY SB WARNING ENTRY ****		

Seq. No.	5531	Seq. ID	OJ990822_50.9C23.C9
Gene No.	11577	Strand	+
Start	1	End	4425
Name	OJ990822_50.9C23.C9.o1.np	Method	AAT/NAP
Start	1	End	4425
GI	6850860	Score	741
Exons	1..82, 916..1132, 1618..1710, 1899..2081, 2178..2276, 2370..2559, 3161..3358, 4369..4425		

GI Descrip. (AL132959) putative protein [Arabidopsis thaliana]

Seq. No.	5531	Seq. ID	OJ990822_50.9C23.C9
Gene No.	11577	Strand	+
Start	1	End	4425
Name	OJ990822_50.9C23.C9.o1.gs	Method	GENSCAN
Start	945	End	4119
GI	none	Score	.85
Exons	945..1132, 1618..1710, 1899..2081, 2178..2280, 2374..2559, 3161..4119		

Seq. No.	5531	Seq. ID	OJ990822_50.9C23.C9
Gene No.	11577	Strand	+
Start	1	End	4425
Name	OJ990822_50.9C23.C9.o1.tc	Method	TBLASTX:Cress
Start	971	End	2096
GI	none	Score	67
Exons	971..1012, 1615..1713, 1885..2028, 1887..2096, 1895..2083		

Seq. No.	5531	Seq. ID	OJ990822_50.9C23.C9
Gene No.	11577	Strand	+
Start	1	End	4425
Name	OJ990822_50.9C23.C9.o1.ts	Method	TBLASTX:Soybean
Start	1621	End	2285
GI	none	Score	143
Exons	1621..1713, 1627..1710, 1662..1712, 1887..2111, 1896..2084, 1916..2113, 2172..2285		

Seq. No.	5531	Seq. ID	OJ990822_50.9C23.C9
Gene No.	11577	Strand	+
Start	1	End	4425
Name	OJ990822_50.9C23.C9.o3.tm	Method	TBLASTX:Maize
Start	2166	End	2285
GI	none	Score	182
Exons	2166..2252, 2172..2285, 2179..2280, 2228..2281		

Seq. No.	5531	Seq. ID	OJ990822_50.9C23.C9
Gene No.	11577	Strand	+
Start	1	End	4425
Name	OJ990822_50.9C23.C9.o2.tc	Method	TBLASTX:Cress
Start	2232	End	3213
GI	none	Score	56
Exons	2232..2279, 2376..2582, 3153..3212, 3153..3212, 3154..3213		

Seq. No.	5531	Seq. ID	OJ990822_50.9C23.C9
Gene No.	11577	Strand	+
Start	1	End	4425
Name	OJ990822_50.9C23.C9.o1.tm	Method	TBLASTX:Maize
Start	2357	End	3311
GI	none	Score	103
Exons	2357..2560, 2363..2527, 2370..2561, 2370..2567, 3153..3311, 3154..3306		

Seq. No.	5531	Seq. ID	OJ990822_50.9C23.C9
Gene No.	11577	Strand	+
Start	1	End	4425
Name	OJ990822_50.9C23.C9.o2.tm	Method	TBLASTX:Maize

Start	3761	End	4170
GI	none	Score	117
Exons	3761..3892, 3772..3897, 3782..3925, 3896..4027, 3906..4028, 4141..4170		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11578	Strand	+
Start	212	End	10336
Name	OJ990822_50.9C23.C10.o1.gs	Method	GENSCAN
Start	212	End	5818
GI	none	Score	.41
Exons	212..636, 5084..5221, 5692..5818		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11578	Strand	+
Start	212	End	10336
Name	OJ990822_50.9C23.C10.o1.gp	Method	AAT/GAP
Start	1118	End	1537
GI	2799385	Score	731
Exons	1118..1537		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11578	Strand	+
Start	212	End	10336
Name	OJ990822_50.9C23.C10.o2.gp	Method	AAT/GAP
Start	4919	End	7653
GI	62567_1.R1084	Score	974
Exons	4919..5221, 7443..7653		
GI Descrip.	'4902476/emb|CAB43520.1| 8.0e-20 (AJ238802) MAP kinase [Arabidopsis thaliana]'		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11578	Strand	+
Start	212	End	10336
Name	OJ990822_50.9C23.C10.o1.np	Method	AAT/NAP
Start	5150	End	10027
GI	6580145	Score	1183
Exons	5150..5221, 7443..8709, 9745..10027		
GI Descrip.	(AL132968) MAP kinase [Arabidopsis thaliana]		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11578	Strand	+
Start	212	End	10336
Name	OJ990822_50.9C23.C10.o2.gs	Method	GENSCAN
Start	7470	End	10092
GI	none	Score	.68
Exons	7470..7822, 7918..8747, 9647..10092		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11578	Strand	+
Start	212	End	10336
Name	OJ990822_50.9C23.C10.o3.gp	Method	AAT/GAP
Start	7596	End	7884
GI	2310282	Score	561
Exons	7596..7884		
GI Descrip.	4902476/emb|CAB43520.1| 6.0e-24 (AJ238802) MAP kinase [Arabidopsis thaliana]		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11578	Strand	+
Start	212	End	10336
Name	OJ990822_50.9C23.C10.o4.gp	Method	AAT/GAP
Start	8007	End	8460
GI	3061220	Score	682
Exons	8007..8460		
GI Descrip.	4902476/emb|CAB43520.1| 3.0e-19 (AJ238802) MAP kinase [Arabidopsis thaliana]		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11578	Strand	+
Start	212	End	10336
Name	OJ990822_50.9C23.C10.o5.gp	Method	AAT/GAP
Start	8414	End	9807
GI	uC-osrocyp007c11a1	Score	900
Exons	8414..8747, 9647..9807		
GI Descrip.	'4902476/emb|CAB43520.1| 2.0e-11 (AJ238802) MAP kinase [Arabidopsis thaliana]'		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11578	Strand	+
Start	212	End	10336
Name	OJ990822_50.9C23.C10.o6.gp	Method	AAT/GAP
Start	9893	End	10336
GI	none	Score	834
Exons	9893..10336		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11579	Strand	-
Start	12111	End	13205
Name	OJ990822_50.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	5186	End	8236
GI	none	Score	64
Exons	5186..5221, 7446..7724, 7448..7534, 7785..7895, 7805..7873, 7906..8151, 7910..8236		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11579	Strand	-
Start	12111	End	13205
Name	OJ990822_50.9C23.C10.o1.ts	Method	TBLASTX:Soybean
Start	5186	End	8236
GI	none	Score	64
Exons	5186..5221, 7446..7724, 7448..7534, 7785..7895, 7805..7873, 7906..8151, 7910..8236		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11579	Strand	-
Start	12111	End	13205
Name	OJ990822_50.9C23.C10.o2.tc	Method	TBLASTX:Cress
Start	5186	End	7676
GI	none	Score	63
Exons	5186..5221, 7446..7676, 7448..7558		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11579	Strand	-

Start	12111	End	13205
Name	OJ990822_50.9C23.C10.o1.tc	Method	TBLASTX:Cress
Start	7835	End	8410
GI	none	Score	99
Exons	7835..7873, 7836..7895, 7907..8227, 7909..8085, 8330..8410, 8332..8409		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11579	Strand	-
Start	12111	End	13205
Name	OJ990822_50.9C23.C10.o2.ts	Method	TBLASTX:Soybean
Start	8330	End	8572
GI	none	Score	78
Exons	8330..8401, 8341..8400, 8410..8571, 8411..8572		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11579	Strand	-
Start	12111	End	13205
Name	OJ990822_50.9C23.C10.o7.gp	Method	AAT/GAP
Start	11792	End	12342
GI	none	Score	983
Exons	11792..12342		

Seq. No.	5532	Seq. ID	OJ990822_50.9C23.C10
Gene No.	11579	Strand	-
Start	12111	End	13205
Name	OJ990822_50.9C23.C10.o3.gs	Method	GENSCAN
Start	12111	End	13205
GI	none	Score	.75
Exons	12111..12341, 13008..13205		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11580	Strand	+
Start	3792	End	4238
Name	OJ990822_50.9C23.C11.o3.gs	Method	GENSCAN
Start	3792	End	4238
GI	none	Score	1
Exons	3792..4238		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11581	Strand	+
Start	5078	End	5533
Name	OJ990822_50.9C23.C11.o4.gs	Method	GENSCAN
Start	5078	End	5533
GI	none	Score	.87
Exons	5078..5083, 5345..5533		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11582	Strand	+
Start	12576	End	15653
Name	OJ990822_50.9C23.C11.o2.gp	Method	AAT/GAP
Start	12576	End	15653
GI	748_1.R1084	Score	3864
Exons	12576..12741, 13779..15653		
GI Descrip.	'2246625 0.0e+00 (AF004947) protein kinase [Oryza sativa]'		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11

Gene No.	11582	Strand	+
Start	12576	End	15653
Name	OJ990822_50.9C23.C11.o1.np	Method	AAT/NAP
Start	14084	End	15400
GI	2246625	Score	2159
Exons	14084..15400		
GI Descrip.	(AF004947) protein kinase [Oryza sativa]		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11582	Strand	+
Start	12576	End	15653
Name	OJ990822_50.9C23.C11.o6.gs	Method	GENSCAN
Start	14084	End	15403
GI	none	Score	.83
Exons	14084..15403		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11583	Strand	+
Start	16665	End	20645
Name	OJ990822_50.9C23.C11.o7.gs	Method	GENSCAN
Start	16665	End	20645
GI	none	Score	.6
Exons	16665..16669, 16958..17082, 17890..18293, 18524..18632, 18909..19075, 19605..20645		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11584	Strand	-
Start	366	End	1547
Name	OJ990822_50.9C23.C11.o1.gs	Method	GENSCAN
Start	366	End	1547
GI	none	Score	.66
Exons	366..1547		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11584	Strand	-
Start	366	End	1547
Name	OJ990822_50.9C23.C11.o1.gp	Method	AAT/GAP
Start	1219	End	1546
GI	286640	Score	587
Exons	1219..1546		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11585	Strand	-
Start	2729	End	3154
Name	OJ990822_50.9C23.C11.o2.gs	Method	GENSCAN
Start	2729	End	3154
GI	none	Score	.99
Exons	2729..3154		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11586	Strand	-
Start	8219	End	12762
Name	OJ990822_50.9C23.C11.o5.gs	Method	GENSCAN
Start	8219	End	12762
GI	none	Score	.41
Exons	8219..8566, 9233..9381, 10337..10546, 11013..11106, 11884..11951, 12711..12762		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11587	Strand	-
Start	16490	End	18204
Name	OJ990822_50.9C23.C11.o2.np	Method	AAT/NAP
Start	16490	End	18204
GI	322755	Score	82
Exons	16490..16577, 17817..18028, 18105..18204		
GI Descrip.	pistil extensin-like protein (clone pMG04) - common tobacco (fragment) gi|19919|emb|CAA78398.1 (Z14020) Pistil extensin like protein, partial CDS only [Nicotiana tabacum]		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11588	Strand	-
Start	22329	End	23721
Name	OJ990822_50.9C23.C11.o2.tm	Method	TBLASTX:Maize
Start	1167	End	1517
GI	none	Score	84
Exons	1167..1364, 1167..1376, 1177..1377, 1428..1517, 1438..1500		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11588	Strand	-
Start	22329	End	23721
Name	OJ990822_50.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	13989	End	15526
GI	none	Score	44
Exons	13989..14018, 14083..15117, 14083..14478, 14084..15115, 14533..15123, 14534..15124, 15121..15408, 15122..15409, 15485..15526		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11588	Strand	-
Start	22329	End	23721
Name	OJ990822_50.9C23.C11.o1.tc	Method	TBLASTX:Cress
Start	14084	End	15391
GI	none	Score	362
Exons	14084..14389, 14084..14371, 14191..14385, 14365..14478, 14395..14892, 14406..14594, 14534..14902, 14536..14901, 14984..15199, 15016..15195, 15254..15391		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11588	Strand	-
Start	22329	End	23721
Name	OJ990822_50.9C23.C11.o1.ts	Method	TBLASTX:Soybean
Start	14102	End	15379
GI	none	Score	312
Exons	14102..14392, 14117..14353, 14262..14447, 14365..14475, 14393..14485, 14425..14889, 14426..14836, 14533..14910, 14534..14923, 15017..15091, 15025..15087, 15086..15205, 15187..15378, 15188..15379		

Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11588	Strand	-
Start	22329	End	23721
Name	OJ990822_50.9C23.C11.o1.tw	Method	TBLASTX:Wheat
Start	14236	End	14485
GI	none	Score	254

Exons	14236..14475, 14237..14485		
Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11588	Strand	-
Start	22329	End	23721
Name	OJ990822_50.9C23.C11.o2.tw	Method	TBLASTX:Wheat
Start	14687	End	14893
GI	none	Score	221
Exons	14687..14893, 14695..14892		
Seq. No.	5533	Seq. ID	OJ990822_50.9C23.C11
Gene No.	11588	Strand	-
Start	22329	End	23721
Name	OJ990822_50.9C23.C11.o8.gs	Method	GENSCAN
Start	22329	End	23721
GI	none	Score	.65
Exons	22329..22706, 23023..23336, 23505..23721		
Seq. No.	5534	Seq. ID	OJ990822_50.9C23.C12
Gene No.	11589	Strand	+
Start	1478	End	1796
Name	OJ990822_50.9C23.C12.o2.gs	Method	GENSCAN
Start	1478	End	1796
GI	none	Score	.46
Exons	1478..1595, 1618..1796		
Seq. No.	5534	Seq. ID	OJ990822_50.9C23.C12
Gene No.	11590	Strand	+
Start	4582	End	4794
Name	OJ990822_50.9C23.C12.o4.gs	Method	GENSCAN
Start	4582	End	4794
GI	none	Score	.92
Exons	4582..4794		
Seq. No.	5534	Seq. ID	OJ990822_50.9C23.C12
Gene No.	11591	Strand	-
Start	1	End	1956
Name	OJ990822_50.9C23.C12.o1.np	Method	AAT/NAP
Start	1	End	1956
GI	5091513	Score	1014
Exons	1..640, 1486..1956		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	5534	Seq. ID	OJ990822_50.9C23.C12
Gene No.	11592	Strand	-
Start	2464	End	3498
Name	OJ990822_50.9C23.C12.o3.gs	Method	GENSCAN
Start	2464	End	3498
GI	none	Score	.56
Exons	2464..2675, 2902..2961, 3339..3498		
Seq. No.	5535	Seq. ID	OJ990822_50.9C23.C13
Gene No.	11593	Strand	+
Start	133	End	1332
Name	OJ990822_50.9C23.C13.o1.gs	Method	GENSCAN
Start	133	End	1332
GI	none	Score	.97

Exons	133..1332		
Seq. No.	5536	Seq. ID	OJ990822_50.9C23.C14
Gene No.	11594	Strand	+
Start	1	End	5353
Name	OJ990822_50.9C23.C14.o1.np	Method	AAT/NAP
Start	1	End	3781
GI	5441880	Score	543
Exons	1..374, 3742..3781		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	5536	Seq. ID	OJ990822_50.9C23.C14
Gene No.	11594	Strand	+
Start	1	End	5353
Name	OJ990822_50.9C23.C14.o1.gs	Method	GENSCAN
Start	97	End	2848
GI	none	Score	.67
Exons	97..236, 341..461, 554..718, 738..818, 968..1204, 1440..1529, 2142..2444, 2627..2848		
Seq. No.	5536	Seq. ID	OJ990822_50.9C23.C14
Gene No.	11594	Strand	+
Start	1	End	5353
Name	OJ990822_50.9C23.C14.o2.np	Method	AAT/NAP
Start	1112	End	5353
GI	330359	Score	66
Exons	1112..1141, 3725..3968, 5304..5353		
GI Descrip.	(M23028) nuclear antigen precursor [Epstein-Barr virus]		
Seq. No.	5536	Seq. ID	OJ990822_50.9C23.C14
Gene No.	11595	Strand	-
Start	4676	End	5053
Name	OJ990822_50.9C23.C14.o2.gs	Method	GENSCAN
Start	4676	End	5053
GI	none	Score	.84
Exons	4676..5053		
Seq. No.	5537	Seq. ID	OJ990822_50.9C23.C15
Gene No.	11596	Strand	+
Start	65	End	3069
Name	OJ990822_50.9C23.C15.o1.gs	Method	GENSCAN
Start	65	End	3061
GI	none	Score	.68
Exons	65..126, 495..565, 1441..1531, 2402..2450, 2503..2604, 2779..2857, 2955..3061		
Seq. No.	5537	Seq. ID	OJ990822_50.9C23.C15
Gene No.	11596	Strand	+
Start	65	End	3069
Name	OJ990822_50.9C23.C15.o1.np	Method	AAT/NAP
Start	506	End	3069
GI	6714375	Score	579
Exons	506..572, 1494..1600, 2030..2107, 2503..2604, 2779..2857, 2955..3069		
GI Descrip.	(AC012562) putative elongation factor P (EF-P) [Arabidopsis		

thaliana]

Seq. No.	5537	Seq. ID	OJ990822_50.9C23.C15
Gene No.	11597	Strand	-
Start	690	End	2102
Name	OJ990822_50.9C23.C15.o2.tm	Method	TBLASTX:Maize
Start	466	End	2102
GI	none	Score	65
Exons	466..570, 495..569, 497..571, 1486..1599, 1492..1602, 1493..1603, 2030..2101, 2035..2100, 2040..2102		

Seq. No.	5537	Seq. ID	OJ990822_50.9C23.C15
Gene No.	11597	Strand	-
Start	690	End	2102
Name	OJ990822_50.9C23.C15.o1.gp	Method	AAT/GAP
Start	690	End	752
GI	2312838	Score	74
Exons	690..752		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	5537	Seq. ID	OJ990822_50.9C23.C15
Gene No.	11598	Strand	
Start	2502	End	3042
Name	OJ990822_50.9C23.C15.o1.tm	Method	TBLASTX:Maize
Start	2502	End	3042
GI	none	Score	101
Exons	2502..2600, 2502..2600, 2503..2607, 2774..2857, 2776..2865, 2776..2859, 2778..2864, 2953..3042, 2954..3040		

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11599	Strand	+
Start	1331	End	3557
Name	OJ990822_50.9C23.C16.o2.np	Method	AAT/NAP
Start	1331	End	3557
GI	6630686	Score	49
Exons	1331..1371, 2744..2861, 3482..3557		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa]		

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11600	Strand	-
Start	1097	End	2189
Name	OJ990822_50.9C23.C16.o1.gp	Method	AAT/GAP
Start	1097	End	2189
GI	378_1.R1084	Score	1847
Exons	1097..1458, 1592..2189		
GI Descrip.	'3914140/sp|O65091|NLT5_ORYSA 1.0e-42 NONSPECIFIC LIPID-TRANSFER PROTEIN 5 PRECURSOR (LTP 5) >gi_3172343 (AF051369) lipid transfer protein [Oryza sativa]'		

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11600	Strand	-
Start	1097	End	2189
Name	OJ990822_50.9C23.C16.o1.np	Method	AAT/NAP
Start	1585	End	1941
GI	3914140	Score	479
Exons	1585..1941		

GI Descrip. NONSPECIFIC LIPID-TRANSFER PROTEIN 5 PRECURSOR (LTP 5)
gi|3172343 (AF051369) lipid transfer protein [Oryza sativa]

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11600	Strand	-
Start	1097	End	2189
Name	OJ990822_50.9C23.C16.o1.gs	Method	GENSCAN
Start	1592	End	1902
GI	none	Score	.53
Exons	1592..1902		

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o2.tw	Method	TBLASTX:Wheat
Start	1546	End	1858
GI	none	Score	134
Exons	1546..1857, 1634..1858		

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o2.tm	Method	TBLASTX:Maize
Start	1591	End	1858
GI	none	Score	202
Exons	1591..1857, 1592..1858		

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o2.ts	Method	TBLASTX:Soybean
Start	1591	End	1824
GI	none	Score	167
Exons	1591..1824, 1592..1813		

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o2.tc	Method	TBLASTX:Cress
Start	1594	End	1857
GI	none	Score	120
Exons	1594..1779, 1625..1777, 1777..1857		

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o2.gs	Method	GENSCAN
Start	3813	End	6126
GI	none	Score	.43
Exons	3813..3948, 5246..6126		

Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o3.np	Method	AAT/NAP
Start	5246	End	6138
GI	4586036	Score	605

Exons	5246..6138		
GI Descrip.	(AC007109) unknown protein [Arabidopsis thaliana]		
Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o1.tm	Method	TBLASTX:Maize
Start	5275	End	6132
GI	none	Score	86
Exons	5275..5694, 5429..5695, 5689..5946, 5689..6096, 5692..5859, 5698..5988, 5735..5851, 5747..5860, 5791..6003, 5872..6117, 5905..6111, 5908..6132, 5929..6132		
Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o1.ts	Method	TBLASTX:Soybean
Start	5470	End	5797
GI	none	Score	142
Exons	5470..5691, 5515..5691, 5698..5793, 5699..5797		
Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o1.tw	Method	TBLASTX:Wheat
Start	5558	End	6138
GI	none	Score	103
Exons	5558..5725, 5558..5692, 5560..5694, 5620..5697, 5695..6027, 5767..5853, 5915..6007, 5941..6138		
Seq. No.	5538	Seq. ID	OJ990822_50.9C23.C16
Gene No.	11601	Strand	-
Start	3813	End	6138
Name	OJ990822_50.9C23.C16.o1.tc	Method	TBLASTX:Cress
Start	5560	End	6138
GI	none	Score	61
Exons	5560..5688, 5581..5715, 5600..5716, 5689..6126, 5692..5910, 5698..5976, 5699..6124, 5995..6138, 6001..6138		
Seq. No.	5539	Seq. ID	OJ990822_50.9C23.C17
Gene No.	11602	Strand	+
Start	2697	End	3700
Name	OJ990822_50.9C23.C17.o3.np	Method	AAT/NAP
Start	2697	End	3700
GI	6572083	Score	69
Exons	2697..2772, 3227..3379, 3641..3700		
GI Descrip.	(AL133452) putative protein [Arabidopsis thaliana]		
Seq. No.	5539	Seq. ID	OJ990822_50.9C23.C17
Gene No.	11603	Strand	-
Start	214	End	329
Name	OJ990822_50.9C23.C17.o1.gp	Method	AAT/GAP
Start	214	End	329
GI	LIB3431-045-P1-N1-A10	Score	194
Exons	214..329		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	5539	Seq. ID	OJ990822_50.9C23.C17
Gene No.	11604	Strand	-
Start	361	End	1381
Name	OJ990822_50.9C23.C17.o1.np	Method	AAT/NAP
Start	361	End	1381
GI	5441880	Score	1649
Exons	361..1381		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5539	Seq. ID	OJ990822_50.9C23.C17
Gene No.	11604	Strand	-
Start	361	End	1381
Name	OJ990822_50.9C23.C17.o2.gp	Method	AAT/GAP
Start	393	End	777
GI	5701669	Score	700
Exons	393..777		
GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5539	Seq. ID	OJ990822_50.9C23.C17
Gene No.	11605	Strand	-
Start	1394	End	2541
Name	OJ990822_50.9C23.C17.o1.tm	Method	TBLASTX:Maize
Start	419	End	820
GI	none	Score	151
Exons	419..658, 420..641, 692..820, 714..812		

Seq. No.	5539	Seq. ID	OJ990822_50.9C23.C17
Gene No.	11605	Strand	-
Start	1394	End	2541
Name	OJ990822_50.9C23.C17.o2.np	Method	AAT/NAP
Start	1394	End	2541
GI	6721543	Score	158
Exons	1394..1510, 2413..2541		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5540	Seq. ID	OJ990822_50.9C23.C18
Gene No.	11606	Strand	+
Start	182	End	726
Name	OJ990822_50.9C23.C18.o1.gs	Method	GENSCAN
Start	182	End	715
GI	none	Score	.74
Exons	182..394, 422..715		

Seq. No.	5540	Seq. ID	OJ990822_50.9C23.C18
Gene No.	11606	Strand	+
Start	182	End	726
Name	OJ990822_50.9C23.C18.o1.np	Method	AAT/NAP
Start	522	End	726
GI	2344896	Score	111
Exons	522..726		
GI Descrip.	(AC002388) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5541	Seq. ID	OJ990822_50.9C23.C19
Gene No.	11607	Strand	-
Start	1	End	1122
Name	OJ990822_50.9C23.C19.o1.np	Method	AAT/NAP
Start	1	End	1122
GI	2498930	Score	687
Exons	1..405, 573..641, 1099..1122		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	5541	Seq. ID	OJ990822_50.9C23.C19
Gene No.	11607	Strand	-
Start	1	End	1122
Name	OJ990822_50.9C23.C19.o1.gs	Method	GENSCAN
Start	101	End	632
GI	none	Score	.9
Exons	101..405, 573..632		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11608	Strand	+
Start	12981	End	17961
Name	OJ990822_43.9C06.C2.o3.gs	Method	GENSCAN
Start	12981	End	17961
GI	none	Score	.55
Exons	12981..13023, 13388..13500, 14527..14784, 14876..15022, 15511..15632, 16374..16583, 16810..16954, 17220..17311, 17451..17531, 17619..17961		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11609	Strand	+
Start	18244	End	18729
Name	OJ990822_43.9C06.C2.o1.gp	Method	AAT/GAP
Start	18244	End	18729
GI	none	Score	861
Exons	18244..18729		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11610	Strand	-
Start	2112	End	2640
Name	OJ990822_43.9C06.C2.o1.np	Method	AAT/NAP
Start	2112	End	2640
GI	2245125	Score	148
Exons	2112..2302, 2399..2640		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11611	Strand	-
Start	4809	End	7631
Name	OJ990822_43.9C06.C2.o2.np	Method	AAT/NAP
Start	4809	End	7631
GI	479357	Score	930
Exons	4809..4850, 5605..6037, 6134..6435, 6519..7348, 7424..7631		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11612	Strand	-

Start	11800	End	13517
Name	OJ990822_43.9C06.C2.o3.np	Method	AAT/NAP
Start	11785	End	13517
GI	2245125	Score	101
Exons	11785..11974, 12125..12202, 13472..13517		
GI Descrip.	(Z97343) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11612	Strand	-
Start	11800	End	13517
Name	OJ990822_43.9C06.C2.o2.gs	Method	GENSCAN
Start	11800	End	12270
GI	none	Score	.93
Exons	11800..11974, 12125..12270		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11613	Strand	-
Start	18516	End	20317
Name	OJ990822_43.9C06.C2.o1.tm	Method	TBLASTX:Maize
Start	6273	End	6982
GI	none	Score	83
Exons	6273..6434, 6289..6432, 6524..6634, 6525..6626, 6635..6706, 6642..6707, 6702..6977, 6704..6982		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11613	Strand	-
Start	18516	End	20317
Name	OJ990822_43.9C06.C2.o2.tm	Method	TBLASTX:Maize
Start	6986	End	7279
GI	none	Score	75
Exons	6986..7279, 7044..7271		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11613	Strand	-
Start	18516	End	20317
Name	OJ990822_43.9C06.C2.o4.gs	Method	GENSCAN
Start	18516	End	19865
GI	none	Score	.98
Exons	18516..19037, 19127..19494, 19632..19723, 19819..19865		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11613	Strand	-
Start	18516	End	20317
Name	OJ990822_43.9C06.C2.o4.np	Method	AAT/NAP
Start	18519	End	20317
GI	6714275	Score	296
Exons	18519..19037, 19100..19199, 19257..19420, 20267..20317		
GI Descrip.	(AC017118) F6N18.12 [Arabidopsis thaliana]		

Seq. No.	5542	Seq. ID	OJ990822_43.9C06.C2
Gene No.	11613	Strand	-
Start	18516	End	20317
Name	OJ990822_43.9C06.C2.o2.gp	Method	AAT/GAP
Start	19182	End	19997
GI	30630_1.R1084	Score	1094
Exons	19182..19494, 19632..19723, 19819..19997		
GI Descrip.	'5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945)		

corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'

Seq. No.	5543	Seq. ID	OJ990822_43.9C06.C4
Gene No.	11614	Strand	+
Start	370	End	1225
Name	OJ990822_43.9C06.C4.o1.gs	Method	GENSCAN
Start	370	End	1225
GI	none	Score	.49
Exons	370..453, 888..1017, 1048..1225		

Seq. No.	5543	Seq. ID	OJ990822_43.9C06.C4
Gene No.	11615	Strand	+
Start	3604	End	5918
Name	OJ990822_43.9C06.C4.o2.gs	Method	GENSCAN
Start	3604	End	5918
GI	none	Score	.64
Exons	3604..3792, 3837..4025, 5730..5918		

Seq. No.	5543	Seq. ID	OJ990822_43.9C06.C4
Gene No.	11616	Strand	-
Start	16182	End	18565
Name	OJ990822_43.9C06.C4.o1.np	Method	AAT/NAP
Start	16182	End	18565
GI	3875538	Score	61
Exons	16182..16208, 17991..18113, 18393..18565		
GI Descrip.	(Z67990) similar to cuticle collagen [Caenorhabditis elegans]		

Seq. No.	5544	Seq. ID	OJ990822_43.9C06.C5
Gene No.	11617	Strand	+
Start	939	End	6286
Name	OJ990822_43.9C06.C5.o1.np	Method	AAT/NAP
Start	939	End	6286
GI	5441880	Score	2309
Exons	939..1944, 2389..2420, 2679..3021, 6249..6286		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5544	Seq. ID	OJ990822_43.9C06.C5
Gene No.	11617	Strand	+
Start	939	End	6286
Name	OJ990822_43.9C06.C5.o2.np	Method	AAT/NAP
Start	939	End	2996
GI	5441880	Score	2306
Exons	939..1944, 2389..2420, 2679..2996		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5544	Seq. ID	OJ990822_43.9C06.C5
Gene No.	11617	Strand	+
Start	939	End	6286
Name	OJ990822_43.9C06.C5.o1.gp	Method	AAT/GAP
Start	1543	End	1974
GI	5701669	Score	837
Exons	1543..1974		

GI Descrip.	5441880/dbj|BAA82378.1| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5544	Seq. ID	OJ990822_43.9C06.C5
Gene No.	11617	Strand	+
Start	939	End	6286
Name	OJ990822_43.9C06.C5.o2.gp	Method	AAT/GAP
Start	3544	End	5356
GI	LIB3431-045-P1-N1-A10	Score	813
Exons	3544..3887, 5247..5356		
GI Descrip.	'5441876/dbj|AP000367.1|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	5544	Seq. ID	OJ990822_43.9C06.C5
Gene No.	11618	Strand	+
Start	10913	End	12654
Name	OJ990822_43.9C06.C5.o3.np	Method	AAT/NAP
Start	10913	End	12654
GI	6907086	Score	1457
Exons	10913..11680, 11739..11908, 12147..12254, 12378..12654		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5544	Seq. ID	OJ990822_43.9C06.C5
Gene No.	11619	Strand	-
Start	8980	End	9488
Name	OJ990822_43.9C06.C5.o1.tm	Method	TBLASTX:Maize
Start	1500	End	2096
GI	none	Score	93
Exons	1500..1628, 1508..1606, 1662..1961, 1679..1900, 2025..2096		

Seq. No.	5544	Seq. ID	OJ990822_43.9C06.C5
Gene No.	11619	Strand	-
Start	8980	End	9488
Name	OJ990822_43.9C06.C5.o1.tw	Method	TBLASTX:Wheat
Start	1794	End	2174
GI	none	Score	207
Exons	1794..1988, 1803..2000, 1994..2113, 1998..2174, 1998..2144		

Seq. No.	5544	Seq. ID	OJ990822_43.9C06.C5
Gene No.	11619	Strand	-
Start	8980	End	9488
Name	OJ990822_43.9C06.C5.o3.gp	Method	AAT/GAP
Start	8980	End	9488
GI	38782_1.R1084	Score	822
Exons	8980..9488		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o1.np	Method	AAT/NAP
Start	250	End	5861
GI	4680179	Score	4470
Exons	250..3667, 3770..4645, 5733..5861		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o5.tw	Method	TBLASTX:Wheat
Start	294	End	627
GI	none	Score	158
Exons	294..626, 315..587, 358..627		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o8.tm	Method	TBLASTX:Maize
Start	309	End	467
GI	none	Score	63
Exons	309..467, 346..462		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o1.gs	Method	GENSCAN
Start	327	End	1319
GI	none	Score	.62
Exons	327..1319		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o1.tm	Method	TBLASTX:Maize
Start	477	End	1074
GI	none	Score	65
Exons	477..914, 486..572, 487..696, 627..914, 647..919, 772..915, 912..1070, 917..937, 919..1065, 922..1074		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o1.tw	Method	TBLASTX:Wheat
Start	627	End	1253
GI	none	Score	265
Exons	627..1253, 751..1197		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o4.tm	Method	TBLASTX:Maize
Start	1122	End	1412
GI	none	Score	236
Exons	1122..1412, 1126..1401		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o2.ts	Method	TBLASTX:Soybean
Start	1212	End	1458
GI	none	Score	171
Exons	1212..1451, 1213..1458		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o1.tc	Method	TBLASTX:Cress
Start	1236	End	1553
GI	none	Score	101
Exons	1236..1379, 1252..1377, 1380..1532, 1380..1553		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o3.tw	Method	TBLASTX:Wheat
Start	1260	End	1739
GI	none	Score	254
Exons	1260..1739, 1264..1632		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o2.tw	Method	TBLASTX:Wheat
Start	1740	End	2253
GI	none	Score	200
Exons	1740..2252, 1842..2189, 1909..2253		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o2.tm	Method	TBLASTX:Maize
Start	1827	End	2180
GI	none	Score	211
Exons	1827..2180, 1864..2178		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o3.ts	Method	TBLASTX:Soybean
Start	2001	End	2246
GI	none	Score	188
Exons	2001..2246		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o3.tm	Method	TBLASTX:Maize
Start	2217	End	2717
GI	none	Score	72
Exons	2217..2552, 2239..2391, 2538..2717, 2587..2709		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o6.tw	Method	TBLASTX:Wheat
Start	2259	End	2555
GI	none	Score	206
Exons	2259..2555, 2269..2511		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o1.ts	Method	TBLASTX:Soybean
Start	2268	End	2663
GI	none	Score	166
Exons	2268..2627, 2269..2511, 2551..2646, 2631..2663, 2631..2663		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o4.tw	Method	TBLASTX:Wheat
Start	2604	End	3086
GI	none	Score	231
Exons	2604..3086, 2632..2973		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o5.tm	Method	TBLASTX:Maize
Start	2787	End	3074
GI	none	Score	180
Exons	2787..3074, 2788..2973		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o7.tw	Method	TBLASTX:Wheat
Start	3228	End	3632
GI	none	Score	84
Exons	3228..3398, 3283..3402, 3411..3632, 3478..3588, 3579..3632		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o7.tm	Method	TBLASTX:Maize
Start	3315	End	3638
GI	none	Score	60
Exons	3315..3635, 3315..3638		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o6.tm	Method	TBLASTX:Maize
Start	3948	End	4334
GI	none	Score	234
Exons	3948..4334		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6
Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o8.tw	Method	TBLASTX:Wheat
Start	4230	End	4607
GI	none	Score	266
Exons	4230..4607		

Seq. No.	5545	Seq. ID	OJ990822_43.9C06.C6

Gene No.	11620	Strand	-
Start	250	End	6098
Name	OJ990822_43.9C06.C6.o2.np	Method	AAT/NAP
Start	5317	End	6098
GI	6002794	Score	1255
Exons	5317..6098		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	5546	Seq. ID	OJ990822_43.9C06.C7
Gene No.	11621	Strand	+
Start	1	End	914
Name	OJ990822_43.9C06.C7.o1.np	Method	AAT/NAP
Start	1	End	442
GI	6907088	Score	388
Exons	1..29, 205..442		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5546	Seq. ID	OJ990822_43.9C06.C7
Gene No.	11621	Strand	+
Start	1	End	914
Name	OJ990822_43.9C06.C7.o2.np	Method	AAT/NAP
Start	1	End	914
GI	6069659	Score	96
Exons	1..29, 574..702, 880..914		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	5547	Seq. ID	OJ990822_43.9C06.C8
Gene No.	11622	Strand	+
Start	492	End	768
Name	OJ990822_43.9C06.C8.o1.np	Method	AAT/NAP
Start	492	End	768
GI	2498930	Score	107
Exons	492..552, 720..768		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	5547	Seq. ID	OJ990822_43.9C06.C8
Gene No.	11622	Strand	+
Start	492	End	768
Name	OJ990822_43.9C06.C8.o1.gs	Method	GENSCAN
Start	493	End	552
GI	none	Score	.95
Exons	493..552		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11623	Strand	+
Start	876	End	1084
Name	OJ990822_43.9C06.C9.o1.gp	Method	AAT/GAP
Start	876	End	1084
GI	4138298	Score	303
Exons	876..1084		
GI Descrip.	4138299/emb|CAA75509| 4.0e-97 (Y15219) transcriptional activator [Oryza sativa subsp. indica]		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11624	Strand	+
Start	10448	End	13238

Name	OJ990822_43.9C06.C9.o4.gs	Method	GENSCAN
Start	10448	End	13238
GI	none	Score	.81
Exons	10448..10457, 10685..10808, 10904..11037, 11294..11413, 12037..12298, 12613..12728, 12763..12952, 13070..13238		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11624	Strand	+
Start	10448	End	13238
Name	OJ990822_43.9C06.C9.o2.np	Method	AAT/NAP
Start	10610	End	11901
GI	5777617	Score	105
Exons	10610..10734, 11719..11901		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11625	Strand	-
Start	9	End	119
Name	OJ990822_43.9C06.C9.o1.gs	Method	GENSCAN
Start	9	End	119
GI	none	Score	1
Exons	9..119		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11626	Strand	-
Start	1390	End	8800
Name	OJ990822_43.9C06.C9.o2.gs	Method	GENSCAN
Start	1390	End	2829
GI	none	Score	.91
Exons	1390..1561, 1649..1896, 2293..2461, 2810..2829		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11626	Strand	-
Start	1390	End	8800
Name	OJ990822_43.9C06.C9.o1.np	Method	AAT/NAP
Start	1405	End	7891
GI	2388565	Score	750
Exons	1405..1561, 1653..1896, 2000..2205, 2293..2461, 2557..2740, 6620..6660, 7744..7891		
GI Descrip.	(AC000098) Similar to Prunus pectinesterase (gb|X95991). [Arabidopsis thaliana]		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11626	Strand	-
Start	1390	End	8800
Name	OJ990822_43.9C06.C9.o1.tm	Method	TBLASTX:Maize
Start	1420	End	1843
GI	none	Score	73
Exons	1420..1560, 1469..1561, 1646..1687, 1688..1843, 1690..1842		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11626	Strand	-
Start	1390	End	8800
Name	OJ990822_43.9C06.C9.o1.ts	Method	TBLASTX:Soybean
Start	1420	End	1780
GI	none	Score	64
Exons	1420..1566, 1469..1561, 1655..1690, 1690..1779, 1691..1780		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11626	Strand	-
Start	1390	End	8800
Name	OJ990822_43.9C06.C9.o1.tc	Method	TBLASTX:Cress
Start	1696	End	2206
GI	none	Score	84
Exons	1696..1815, 1783..1854, 1994..2119, 2000..2122, 2016..2126, 2123..2206, 2125..2205		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11626	Strand	-
Start	1390	End	8800
Name	OJ990822_43.9C06.C9.o2.tm	Method	TBLASTX:Maize
Start	1986	End	2206
GI	none	Score	89
Exons	1986..2126, 2003..2122, 2122..2205, 2138..2206		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11626	Strand	-
Start	1390	End	8800
Name	OJ990822_43.9C06.C9.o2.ts	Method	TBLASTX:Soybean
Start	2003	End	2466
GI	none	Score	56
Exons	2003..2119, 2016..2066, 2122..2205, 2126..2206, 2302..2466		

Seq. No.	5548	Seq. ID	OJ990822_43.9C06.C9
Gene No.	11626	Strand	-
Start	1390	End	8800
Name	OJ990822_43.9C06.C9.o3.gs	Method	GENSCAN
Start	5378	End	8800
GI	none	Score	.78
Exons	5378..5472, 5895..6381, 6516..6883, 7387..7482, 7610..7694, 7757..7849, 7883..8002, 8312..8800		

Seq. No.	5549	Seq. ID	OJ990822_43.9C06.C10
Gene No.	11627	Strand	-
Start	2402	End	5246
Name	OJ990822_43.9C06.C10.o1.gs	Method	GENSCAN
Start	2402	End	5191
GI	none	Score	.89
Exons	2402..2471, 4188..4306, 4611..4682, 4805..4951, 5111..5191		

Seq. No.	5549	Seq. ID	OJ990822_43.9C06.C10
Gene No.	11627	Strand	-
Start	2402	End	5246
Name	OJ990822_43.9C06.C10.o1.gp	Method	AAT/GAP
Start	3169	End	4670
GI	5455384	Score	1242
Exons	3169..3524, 3654..3699, 3954..4067, 4188..4305, 4611..4670		
GI Descrip.	3169171/gb|AAC17814.1| 9.0e-31 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana] >gi_3445213_gb_AAC32443.1_ (AC004786) putative serine carboxypeptidase I [Arabidopsis thaliana]		

Seq. No.	5549	Seq. ID	OJ990822_43.9C06.C10
Gene No.	11627	Strand	-

Start	2402	End	5246
Name	OJ990822_43.9C06.C10.o1.ts	Method	TBLASTX:Soybean
Start	3441	End	4264
GI	none	Score	121
Exons	3441..3545, 3654..3698, 3951..4046, 3953..4069, 3954..4073, 4190..4264		

Seq. No.	5549	Seq. ID	OJ990822_43.9C06.C10
Gene No.	11627	Strand	-
Start	2402	End	5246
Name	OJ990822_43.9C06.C10.o1.np	Method	AAT/NAP
Start	3444	End	5246
GI	584892	Score	226
Exons	3444..3524, 3654..3699, 3954..4067, 4188..4306, 5206..5246		
GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) gi|629805|pir||S43516 serine carboxypeptidase I - rice gi|409580|dbj|BAA04510.1| (D17586) serine carboxypeptidase I [Oryza sativa]		

Seq. No.	5549	Seq. ID	OJ990822_43.9C06.C10
Gene No.	11627	Strand	-
Start	2402	End	5246
Name	OJ990822_43.9C06.C10.o1.tm	Method	TBLASTX:Maize
Start	3951	End	4352
GI	none	Score	104
Exons	3951..4049, 3953..4069, 3954..4070, 4190..4306, 4194..4352		

Seq. No.	5549	Seq. ID	OJ990822_43.9C06.C10
Gene No.	11627	Strand	-
Start	2402	End	5246
Name	OJ990822_43.9C06.C10.o2.gp	Method	AAT/GAP
Start	5017	End	5098
GI	LIB3477-003-P1-K1-E9	Score	110
Exons	5017..5098		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5550	Seq. ID	OJ990822_43.9C06.C11
Gene No.	11628	Strand	-
Start	1	End	2855
Name	OJ990822_43.9C06.C11.o1.np	Method	AAT/NAP
Start	1	End	2786
GI	6119535	Score	438
Exons	1..27, 114..225, 1597..1727, 1804..1926, 2189..2268, 2389..2534, 2650..2786		
GI Descrip.	(AC011560) putative glucose acyltransferase [Arabidopsis thaliana]		

Seq. No.	5550	Seq. ID	OJ990822_43.9C06.C11
Gene No.	11628	Strand	-
Start	1	End	2855
Name	OJ990822_43.9C06.C11.o1.gs	Method	GENSCAN
Start	1625	End	2837
GI	none	Score	.95
Exons	1625..1727, 1804..1926, 2189..2268, 2389..2534, 2650..2837		

Seq. No.	5550	Seq. ID	OJ990822_43.9C06.C11
Gene No.	11628	Strand	-
Start	1	End	2855
Name	OJ990822_43.9C06.C11.o1.gp	Method	AAT/GAP
Start	2190	End	2855
GI	27860_1.R1084	Score	719
Exons	2190..2268, 2389..2534, 2650..2855		
GI Descrip.	'3169171/gb|AAC17814.1| 2.0e-12 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana] >gi_3445213_gb_AAC32443.1_ (AC004786) putative serine carboxypeptidase I [Arabidopsis thaliana]'		

Seq. No.	5550	Seq. ID	OJ990822_43.9C06.C11
Gene No.	11629	Strand	-
Start	4114	End	4592
Name	OJ990822_43.9C06.C11.o1.tm	Method	TBLASTX:Maize
Start	105	End	2539
GI	none	Score	107
Exons	105..221, 109..216, 1621..1737, 1623..1739, 1623..1733, 1660..1734, 1804..1926, 1811..1918, 2186..2233, 2234..2269, 2235..2270, 2387..2449, 2388..2441, 2468..2503, 2474..2503, 2507..2536, 2510..2539		

Seq. No.	5550	Seq. ID	OJ990822_43.9C06.C11
Gene No.	11629	Strand	-
Start	4114	End	4592
Name	OJ990822_43.9C06.C11.o1.ts	Method	TBLASTX:Soybean
Start	1623	End	2694
GI	none	Score	74
Exons	1623..1730, 1624..1737, 1804..1926, 2186..2233, 2234..2269, 2387..2533, 2388..2480, 2644..2694, 2649..2693		

Seq. No.	5550	Seq. ID	OJ990822_43.9C06.C11
Gene No.	11629	Strand	-
Start	4114	End	4592
Name	OJ990822_43.9C06.C11.o1.tc	Method	TBLASTX:Cress
Start	2387	End	2696
GI	none	Score	69
Exons	2387..2536, 2388..2480, 2644..2694, 2649..2696		

Seq. No.	5550	Seq. ID	OJ990822_43.9C06.C11
Gene No.	11629	Strand	-
Start	4114	End	4592
Name	OJ990822_43.9C06.C11.o2.gs	Method	GENSCAN
Start	4114	End	4592
GI	none	Score	.84
Exons	4114..4245, 4392..4592		

Seq. No.	5551	Seq. ID	OJ990822_43.9C06.C12
Gene No.	11630	Strand	+
Start	608	End	1319
Name	OJ990822_43.9C06.C12.o1.gs	Method	GENSCAN
Start	608	End	1319
GI	none	Score	.7
Exons	608..692, 758..1319		

Seq. No.	5552	Seq. ID	OJ990822_43.9C06.C13

Gene No.	11631	Strand	-
Start	650	End	1352
Name	OJ990822_43.9C06.C13.o1.gs	Method	GENSCAN
Start	650	End	1352
GI	none	Score	.53
Exons	650..1141, 1158..1352		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11632	Strand	+
Start	1074	End	10534
Name	OJ990822_43.9C06.C14.o1.gs	Method	GENSCAN
Start	1074	End	10534
GI	none	Score	.58
Exons	1074..1178, 1339..1492, 1561..1733, 2463..2476, 4290..4574, 5230..5537, 5575..5687, 6274..6306, 6585..6676, 7126..7164, 7682..7929, 8258..8314, 8373..8383, 8434..8552, 9269..9289, 9837..9957, 10200..10534		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11632	Strand	+
Start	1074	End	10534
Name	OJ990822_43.9C06.C14.o2.np	Method	AAT/NAP
Start	2511	End	9922
GI	6598839	Score	725
Exons	2511..2531, 5631..5687, 6552..6689, 7160..7294, 7504..7580, 7682..7929, 8258..8314, 8384..8432, 8680..8746, 8854..8939, 9012..9068, 9269..9325, 9890..9922		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11632	Strand	+
Start	1074	End	10534
Name	OJ990822_43.9C06.C14.o1.gp	Method	AAT/GAP
Start	4525	End	4732
GI	5005472	Score	273
Exons	4525..4732		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11632	Strand	+
Start	1074	End	10534
Name	OJ990822_43.9C06.C14.o2.gp	Method	AAT/GAP
Start	7174	End	7936
GI	2310587	Score	816
Exons	7174..7294, 7504..7580, 7682..7936		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11632	Strand	+
Start	1074	End	10534
Name	OJ990822_43.9C06.C14.o3.gp	Method	AAT/GAP
Start	8715	End	9721
GI	35170_1.R1084	Score	1305
Exons	8715..8746, 8854..9068, 9269..9721		
GI Descrip.	'4314356/gb|AAD15567| 5.0e-15 (AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]'		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14

Gene No.	11633	Strand	-
Start	2104	End	4846
Name	OJ990822_43.9C06.C14.o1.np	Method	AAT/NAP
Start	2104	End	4846
GI	3341686	Score	876
Exons	2104..2181, 3324..3561, 3657..3863, 4137..4229, 4338..4846		
GI Descrip.	(AC003672) putative glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11634	Strand	-
Start	10444	End	11095
Name	OJ990822_43.9C06.C14.o2.tm	Method	TBLASTX:Maize
Start	2135	End	3562
GI	none	Score	89
Exons	2135..2203, 2136..2204, 3297..3554, 3317..3559, 3325..3561, 3326..3562		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11634	Strand	-
Start	10444	End	11095
Name	OJ990822_43.9C06.C14.o1.ts	Method	TBLASTX:Soybean
Start	3324	End	3797
GI	none	Score	98
Exons	3324..3485, 3325..3564, 3326..3559, 3654..3797, 3661..3795		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11634	Strand	-
Start	10444	End	11095
Name	OJ990822_43.9C06.C14.o3.tm	Method	TBLASTX:Maize
Start	4138	End	4451
GI	none	Score	226
Exons	4138..4437, 4141..4443, 4239..4451		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11634	Strand	-
Start	10444	End	11095
Name	OJ990822_43.9C06.C14.o1.tm	Method	TBLASTX:Maize
Start	5617	End	8884
GI	none	Score	96
Exons	5617..5691, 5618..5731, 6062..6103, 6104..6127, 6545..6688, 6561..6677, 6567..6713, 7158..7295, 7159..7296, 7487..7582, 7505..7582, 7664..7948, 7682..7930, 8243..8323, 8250..8315, 8255..8317, 8373..8552, 8382..8552, 8429..8554, 8644..8745, 8667..8747, 8691..8744, 8692..8754, 8835..8882, 8852..8884, 8852..8884		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11634	Strand	-
Start	10444	End	11095
Name	OJ990822_43.9C06.C14.o3.np	Method	AAT/NAP
Start	10444	End	11095
GI	6063557	Score	336
Exons	10444..10575, 10814..11095		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	5553	Seq. ID	OJ990822_43.9C06.C14
Gene No.	11634	Strand	-

Start	10444	End	11095
Name	OJ990822_43.9C06.C14.o2.gs	Method	GENSCAN
Start	10780	End	10986
GI	none	Score	.91
Exons	10780..10986		

Seq. No.	5554	Seq. ID	OJ990822_43.9C06.C15
Gene No.	11635	Strand	+
Start	7221	End	9476
Name	OJ990822_43.9C06.C15.o3.gs	Method	GENSCAN
Start	7221	End	9476
GI	none	Score	.61
Exons	7221..7374, 7666..7896, 8960..8985, 9246..9476		

Seq. No.	5554	Seq. ID	OJ990822_43.9C06.C15
Gene No.	11636	Strand	-
Start	3577	End	4719
Name	OJ990822_43.9C06.C15.o2.gs	Method	GENSCAN
Start	3577	End	4698
GI	none	Score	.91
Exons	3577..4698		

Seq. No.	5554	Seq. ID	OJ990822_43.9C06.C15
Gene No.	11636	Strand	-
Start	3577	End	4719
Name	OJ990822_43.9C06.C15.o1.np	Method	AAT/NAP
Start	3580	End	4635
GI	4928399	Score	304
Exons	3580..3684, 3721..4031, 4062..4384, 4445..4635		
GI Descrip.	(AF132014) RING-H2 zinc finger protein ATL4 [Arabidopsis thaliana]		

Seq. No.	5554	Seq. ID	OJ990822_43.9C06.C15
Gene No.	11636	Strand	-
Start	3577	End	4719
Name	OJ990822_43.9C06.C15.o1.gp	Method	AAT/GAP
Start	3729	End	4045
GI	2442769	Score	563
Exons	3729..4045		

Seq. No.	5554	Seq. ID	OJ990822_43.9C06.C15
Gene No.	11636	Strand	-
Start	3577	End	4719
Name	OJ990822_43.9C06.C15.o2.gp	Method	AAT/GAP
Start	4375	End	4719
GI	uC-osf1M202049d04b1	Score	650
Exons	4375..4719		
GI Descrip.	'3169171/gb|AAC17814.1| 9.0e-31 (AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana] >gi_3445213_gb_AAC32443.1_ (AC004786) putative serine carboxypeptidase I [Arabidopsis thaliana]'		

Seq. No.	5554	Seq. ID	OJ990822_43.9C06.C15
Gene No.	11637	Strand	-
Start	9930	End	10337
Name	OJ990822_43.9C06.C15.o4.gs	Method	GENSCAN
Start	9930	End	10337

GI	none	Score	.66
Exons	9930..10140, 10330..10337		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11638	Strand	-
Start	1	End	4587
Name	OJ990402_31.9C10.C2.o1.np	Method	AAT/NAP
Start	1	End	3788
GI	6665714	Score	215
Exons	1..23, 168..340, 465..674, 909..988, 1086..1127, 1213..1262, 1371..1435, 1690..1925, 2406..2543, 2927..3003, 3094..3165, 3260..3317, 3675..3788		
GI Descrip.	(AF211191) polypyrimidine tract binding protein [Drosophila melanogaster]		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11638	Strand	-
Start	1	End	4587
Name	OJ990402_31.9C10.C2.o1.gs	Method	GENSCAN
Start	168	End	4587
GI	none	Score	.62
Exons	168..311, 391..498, 643..656, 761..809, 937..988, 1086..1127, 1330..1435, 1690..1898, 2927..3003, 3094..3165, 3380..3481, 4479..4587		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11638	Strand	-
Start	1	End	4587
Name	OJ990402_31.9C10.C2.o1.gp	Method	AAT/GAP
Start	181	End	723
GI	2428474	Score	891
Exons	181..311, 391..723		
GI Descrip.	112251/pir||S15552 3.0e-13 polypyrimidine tract-binding protein 1 - rat >gi_57002_emb_CAA43202_ (X60789) pyrimidine binding protein 1 [Rattus norvegicus]		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11638	Strand	-
Start	1	End	4587
Name	OJ990402_31.9C10.C2.o2.gp	Method	AAT/GAP
Start	1759	End	3582
GI	uC-osroM202040f10b1	Score	915
Exons	1759..1819, 2462..2543, 2927..3003, 3094..3165, 3260..3343, 3420..3582		
GI Descrip.	'4001819 5.0e-17 (AF046007) putative polypyrimidine tract-binding protein [Carassius auratus]'		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11639	Strand	-
Start	5177	End	5368
Name	OJ990402_31.9C10.C2.o1.ts	Method	TBLASTX:Soybean
Start	163	End	3341
GI	none	Score	104
Exons	163..309, 167..310, 167..325, 168..338, 180..326, 383..469, 391..501, 937..990, 1085..1129, 1215..1265, 1223..1294, 1374..1460, 1387..1461, 1675..1806, 1688..1822, 1689..1820, 2465..2572, 2911..3006, 2926..3006, 3094..3168, 3098..3163,		

3260..3316, 3261..3341

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11639	Strand	-
Start	5177	End	5368
Name	OJ990402_31.9C10.C2.o1.tm	Method	TBLASTX:Maize
Start	167	End	3335
GI	none	Score	144
Exons	167..310, 168..326, 174..314, 220..318, 383..466, 385..501, 391..501, 398..511, 759..839, 762..812, 937..990, 938..997, 1082..1126, 1085..1129, 1198..1263, 1215..1262, 1371..1460, 1372..1461, 1688..1816, 1688..1816, 1689..1817, 1695..1817, 2430..2543, 2462..2545, 2462..2554, 2463..2555, 2926..3006, 2927..3007, 3085..3168, 3094..3168, 3254..3325, 3260..3325, 3261..3335, 3261..3326		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11639	Strand	-
Start	5177	End	5368
Name	OJ990402_31.9C10.C2.o1.tc	Method	TBLASTX:Cress
Start	168	End	561
GI	none	Score	91
Exons	168..338, 180..308, 211..339, 383..469, 391..561		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11639	Strand	-
Start	5177	End	5368
Name	OJ990402_31.9C10.C2.o1.tw	Method	TBLASTX:Wheat
Start	175	End	1250
GI	none	Score	103
Exons	175..300, 176..307, 179..310, 180..314, 180..326, 388..495, 391..492, 931..990, 934..990, 935..994, 1082..1126, 1085..1135, 1087..1128, 1213..1248, 1215..1250, 1223..1249		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11639	Strand	-
Start	5177	End	5368
Name	OJ990402_31.9C10.C2.o3.tc	Method	TBLASTX:Cress
Start	1085	End	3404
GI	none	Score	91
Exons	1085..1129, 1215..1265, 1374..1460, 1688..1813, 1688..1828, 1689..1820, 2495..2554, 2496..2555, 2926..3006, 2969..3004, 3094..3168, 3098..3142, 3260..3316, 3261..3404		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11639	Strand	-
Start	5177	End	5368
Name	OJ990402_31.9C10.C2.o2.tm	Method	TBLASTX:Maize
Start	5087	End	5368
GI	none	Score	63
Exons	5087..5125, 5087..5131, 5111..5368, 5170..5358, 5181..5363		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11639	Strand	-
Start	5177	End	5368
Name	OJ990402_31.9C10.C2.o2.tc	Method	TBLASTX:Cress
Start	5162	End	5368

GI	none	Score	128
Exons	5162..5368, 5177..5359, 5181..5366		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11639	Strand	-
Start	5177	End	5368
Name	OJ990402_31.9C10.C2.o2.ts	Method	TBLASTX:Soybean
Start	5174	End	5368
GI	none	Score	173
Exons	5174..5362, 5174..5368, 5175..5366		

Seq. No.	5555	Seq. ID	OJ990402_31.9C10.C2
Gene No.	11639	Strand	-
Start	5177	End	5368
Name	OJ990402_31.9C10.C2.o2.np	Method	AAT/NAP
Start	5177	End	5368
GI	5730136	Score	303
Exons	5177..5368		
GI Descrip.	(AL109796) putative protein [Arabidopsis thaliana]		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11640	Strand	-
Start	1	End	1453
Name	OJ990402_31.9C10.C3.o1.np	Method	AAT/NAP
Start	1	End	1447
GI	4185150	Score	469
Exons	1..148, 971..1447		
GI Descrip.	(AC005724) unknown protein [Arabidopsis thaliana]		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11640	Strand	-
Start	1	End	1453
Name	OJ990402_31.9C10.C3.o1.gs	Method	GENSCAN
Start	929	End	1453
GI	none	Score	.7
Exons	929..1453		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o1.ts	Method	TBLASTX:Soybean
Start	960	End	1444
GI	none	Score	277
Exons	960..1187, 971..1186, 1349..1411, 1409..1444		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o1.tc	Method	TBLASTX:Cress
Start	971	End	1145
GI	none	Score	199
Exons	971..1138, 972..1145		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o1.tm	Method	TBLASTX:Maize

Start	971	End	1190
GI	none	Score	326
Exons	971..1189, 972..1190		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o2.gs	Method	GENSCAN
Start	2732	End	11146
GI	none	Score	.59
Exons	2732..2932, 3431..3580, 3882..3929, 4344..4420, 4797..4899, 5349..5479, 6058..6232, 6375..6436, 8080..8250, 8624..8756, 8990..9402, 10245..10491, 11013..11146		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o2.np	Method	AAT/NAP
Start	2732	End	11047
GI	5080759	Score	1475
Exons	2732..2932, 3431..3580, 3882..3929, 4344..4420, 4794..4899, 5349..5479, 6058..6232, 6375..6432, 7059..7122, 8080..8250, 8624..8735, 10249..10491, 11013..11047		
GI Descrip.	(AC007203) Putative UDP-glucose:sterol glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o3.tm	Method	TBLASTX:Maize
Start	2828	End	4869
GI	none	Score	115
Exons	2828..2935, 2849..2935, 3425..3574, 3428..3580, 3429..3581, 3429..3581, 3883..3942, 4341..4418, 4341..4418, 4342..4419, 4343..4420, 4785..4865, 4796..4867, 4798..4869, 4798..4869		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o2.ts	Method	TBLASTX:Soybean
Start	2837	End	6161
GI	none	Score	85
Exons	2837..2935, 2849..2935, 3425..3577, 3428..3580, 3429..3581, 4341..4421, 4796..4921, 4798..4899, 5349..5483, 5350..5484, 5351..5506, 6059..6160, 6063..6161		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o2.tc	Method	TBLASTX:Cress
Start	3428	End	3936
GI	none	Score	129
Exons	3428..3583, 3429..3602, 3498..3590, 3877..3936		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166

Name	OJ990402_31.9C10.C3.o2.tm	Method	TBLASTX:Maize
Start	6374	End	8736
GI	none	Score	104
Exons	6374..6430, 6375..6443, 6375..6431, 6379..6432, 7053..7121, 7054..7140, 7058..7147, 7059..7124, 8078..8248, 8079..8249, 8083..8256, 8122..8256, 8617..8736, 8617..8727, 8640..8735		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o3.ts	Method	TBLASTX:Soybean
Start	8078	End	10468
GI	none	Score	162
Exons	8078..8248, 8079..8249, 8085..8297, 8090..8251, 8107..8265, 8567..8737, 8620..8736, 8620..8739, 8637..8741, 10247..10345, 10249..10338, 10384..10467, 10403..10468		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o4.tm	Method	TBLASTX:Maize
Start	10403	End	11166
GI	none	Score	117
Exons	10403..10492, 10403..10492, 10414..10494, 11010..11144, 11012..11149, 11013..11144, 11014..11166, 11041..11145		

Seq. No.	5556	Seq. ID	OJ990402_31.9C10.C3
Gene No.	11641	Strand	-
Start	2732	End	11166
Name	OJ990402_31.9C10.C3.o1.tw	Method	TBLASTX:Wheat
Start	10427	End	11149
GI	none	Score	97
Exons	10427..10492, 10430..10492, 10432..10494, 10432..10494, 11001..11147, 11010..11147, 11012..11149, 11015..11149		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11642	Strand	+
Start	55	End	2284
Name	OJ990402_31.9C10.C5.o1.gs	Method	GENSCAN
Start	55	End	2284
GI	none	Score	.73
Exons	55..135, 251..309, 456..582, 626..808, 883..1309, 1588..1735, 1749..1941, 2113..2284		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11643	Strand	+
Start	3836	End	6910
Name	OJ990402_31.9C10.C5.o2.gs	Method	GENSCAN
Start	3836	End	5100
GI	none	Score	.51
Exons	3836..4431, 4497..4617, 4867..5100		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11643	Strand	+
Start	3836	End	6910
Name	OJ990402_31.9C10.C5.o1.gp	Method	AAT/GAP
Start	3951	End	6910

GI	988_1.R1084	Score	2304
Exons	3951..4450, 4546..4617, 5372..5401, 6313..6910		
GI Descrip.	'1753085 1.0e-96 (U25283) leucine zipper protein [Oryza sativa]'		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11643	Strand	+
Start	3836	End	6910
Name	OJ990402_31.9C10.C5.o1.np	Method	AAT/NAP
Start	3980	End	6390
GI	1753085	Score	994
Exons	3980..4450, 4546..4617, 5372..5401, 6313..6390		
GI Descrip.	(U25283) leucine zipper protein [Oryza sativa]		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11644	Strand	+
Start	10680	End	11616
Name	OJ990402_31.9C10.C5.o4.gs	Method	GENSCAN
Start	10680	End	11616
GI	none	Score	.99
Exons	10680..10812, 11252..11616		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11645	Strand	-
Start	6407	End	9606
Name	OJ990402_31.9C10.C5.o3.gs	Method	GENSCAN
Start	6407	End	9606
GI	none	Score	.61
Exons	6407..6481, 7632..7709, 8136..8201, 8822..8912, 9239..9312, 9517..9606		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11646	Strand	-
Start	10727	End	10944
Name	OJ990402_31.9C10.C5.o2.gp	Method	AAT/GAP
Start	10727	End	10944
GI	3061161	Score	197
Exons	10727..10792, 10878..10944		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11647	Strand	-
Start	11239	End	11573
Name	OJ990402_31.9C10.C5.o3.gp	Method	AAT/GAP
Start	11239	End	11527
GI	3061161	Score	297
Exons	11239..11304, 11402..11527		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11647	Strand	-
Start	11239	End	11573
Name	OJ990402_31.9C10.C5.o4.gp	Method	AAT/GAP
Start	11239	End	11573
GI	3061161	Score	379
Exons	11239..11304, 11402..11573		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11648	Strand	-
Start	11754	End	15328

Name	OJ990402_31.9C10.C5.o2.tm	Method	TBLASTX:Maize
Start	4019	End	6398
GI	none	Score	65
Exons	4019..4090, 4195..4248, 4196..4240, 4259..4306, 4307..4459, 4343..4417, 4363..4461, 4543..4617, 4544..4594, 4605..4628, 6337..6393, 6339..6398		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11648	Strand	-
Start	11754	End	15328
Name	OJ990402_31.9C10.C5.o1.tm	Method	TBLASTX:Maize
Start	8362	End	8930
GI	none	Score	199
Exons	8362..8400, 8562..8768, 8572..8604, 8585..8746, 8662..8751, 8813..8917, 8813..8926, 8817..8930, 8823..8927		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11648	Strand	-
Start	11754	End	15328
Name	OJ990402_31.9C10.C5.o5.gs	Method	GENSCAN
Start	11754	End	14895
GI	none	Score	.9
Exons	11754..12158, 14803..14895		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11648	Strand	-
Start	11754	End	15328
Name	OJ990402_31.9C10.C5.o2.np	Method	AAT/NAP
Start	13854	End	15328
GI	1841468	Score	247
Exons	13854..13931, 14803..14908, 15145..15328		
GI Descrip.	(Y10990) Tyrosyl-tRNA synthetase [Nicotiana tabacum]		

Seq. No.	5557	Seq. ID	OJ990402_31.9C10.C5
Gene No.	11648	Strand	-
Start	11754	End	15328
Name	OJ990402_31.9C10.C5.o3.tm	Method	TBLASTX:Maize
Start	13866	End	15293
GI	none	Score	80
Exons	13866..13937, 14803..14910, 14804..14911, 15140..15259, 15144..15293, 15145..15282		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11649	Strand	+
Start	13231	End	18342
Name	OJ990402_31.9C10.C6.o5.gs	Method	GENSCAN
Start	13231	End	18342
GI	none	Score	.65
Exons	13231..13305, 13736..13807, 13998..14230, 16853..16964, 17484..17657, 17693..17855, 17954..18342		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11650	Strand	+
Start	18887	End	21992
Name	OJ990402_31.9C10.C6.o3.gp	Method	AAT/GAP
Start	18815	End	20245
GI	57758_1.R1084	Score	573

Exons	18815..19024, 19723..19818, 20219..20245		
GI Descrip.	'5262856/emb|CAB45866.1| 3.0e-29 (AJ238095) Lsm3 protein [Homo sapiens] >gi_5919147_gb_AAD56227.1_AF182289_1 (AF182289) U6 snRNA-associated Sm-like protein LSm3 [Homo sapiens]'		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11650	Strand	+
Start	18887	End	21992
Name	OJ990402_31.9C10.C6.o6.gs	Method	GENSCAN
Start	18887	End	21791
GI	none	Score	.96
Exons	18887..19024, 19723..19818, 21231..21341, 21438..21460, 21593..21791		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11650	Strand	+
Start	18887	End	21992
Name	OJ990402_31.9C10.C6.o3.np	Method	AAT/NAP
Start	18893	End	20296
GI	5262856	Score	320
Exons	18893..19024, 19723..19818, 20219..20296		
GI Descrip.	(AJ238095) Lsm3 protein [Homo sapiens] gi|5919147|gb|AAD56227.1|AF182289_1 (AF182289) U6 snRNA-associated Sm-like protein LSm3 [Homo sapiens]		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11650	Strand	+
Start	18887	End	21992
Name	OJ990402_31.9C10.C6.o4.gp	Method	AAT/GAP
Start	20669	End	21143
GI	none	Score	900
Exons	20669..21143		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11650	Strand	+
Start	18887	End	21992
Name	OJ990402_31.9C10.C6.o5.gp	Method	AAT/GAP
Start	21213	End	21992
GI	none	Score	1041
Exons	21213..21341, 21438..21460, 21593..21992		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11651	Strand	+
Start	23963	End	25375
Name	OJ990402_31.9C10.C6.o5.np	Method	AAT/NAP
Start	23960	End	25297
GI	4033424	Score	697
Exons	23960..24089, 24236..24264, 24364..24429, 24519..24626, 24712..24777, 24870..24990, 25077..25158, 25261..25297		
GI Descrip.	SOLUBLE INORGANIC PYROPHOSPHATASE (PYROPHOSPHATE PHOSPHO-HYDROLASE) (PPASE) gi|2668746 (AF034947) inorganic pyrophosphatase [Zea mays]		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11651	Strand	+
Start	23963	End	25375
Name	OJ990402_31.9C10.C6.o7.gs	Method	GENSCAN

Start	23963	End	25375
GI	none	Score	.94
Exons	23963..24089, 24236..24264, 24364..24429, 24519..24626, 24712..24777, 24870..24990, 25077..25158, 25357..25375		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11652	Strand	-
Start	270	End	4217
Name	OJ990402_31.9C10.C6.o1.np	Method	AAT/NAP
Start	270	End	3439
GI	1707012	Score	439
Exons	270..361, 538..643, 1167..1253, 1370..1663, 3287..3439		
GI Descrip.	(U78721) putative tyrosyl-tRNA synthetase [Arabidopsis thaliana]		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11652	Strand	-
Start	270	End	4217
Name	OJ990402_31.9C10.C6.o1.gs	Method	GENSCAN
Start	1231	End	4217
GI	none	Score	.69
Exons	1231..1254, 1397..1663, 3287..3513, 3797..3856, 4013..4217		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11653	Strand	-
Start	5536	End	6221
Name	OJ990402_31.9C10.C6.o2.gs	Method	GENSCAN
Start	5536	End	6221
GI	none	Score	.98
Exons	5536..5948, 6212..6221		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11654	Strand	-
Start	8859	End	10676
Name	OJ990402_31.9C10.C6.o1.gp	Method	AAT/GAP
Start	8529	End	9063
GI	15767_1.R1084	Score	978
Exons	8529..9063		
GI Descrip.	'2829918 1.0e-11 (AC002291) similar to "tub" protein gp_U82468_2072162 [Arabidopsis thaliana]'		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11654	Strand	-
Start	8859	End	10676
Name	OJ990402_31.9C10.C6.o3.gs	Method	GENSCAN
Start	8859	End	9410
GI	none	Score	.62
Exons	8859..9410		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11654	Strand	-
Start	8859	End	10676
Name	OJ990402_31.9C10.C6.o2.np	Method	AAT/NAP
Start	8862	End	10676
GI	5777631	Score	1357
Exons	8862..9282, 9310..9618, 9701..9833, 10086..10173, 10311..10676		
GI Descrip.	(AJ245900) CAA303719.1 protein [Oryza sativa]		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11654	Strand	-
Start	8859	End	10676
Name	OJ990402_31.9C10.C6.o2.gp	Method	AAT/GAP
Start	9073	End	9551
GI	17411_1.R1084	Score	906
Exons	9073..9551		
GI Descrip.	'5777631/emb|CAB53492.1| 1.0e-46 (AJ245900) CAA303719.1 protein [Oryza sativa]'		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11655	Strand	-
Start	24856	End	33093
Name	OJ990402_31.9C10.C6.o6.gp	Method	AAT/GAP
Start	24856	End	28400
GI	29_1.R1084	Score	3740
Exons	24856..24990, 25077..25863, 25982..26057, 26157..26243, 26401..26466, 26543..26613, 26741..26827, 26910..27023, 27428..27494, 27603..27664, 27753..27827, 27920..27967, 28072..28400		
GI Descrip.	'3913640/sp|O64421|F16Q_ORYSA 0.0e+00 FRUCTOSE-1,6-BISPHOSPHATASE, CYTOSOLIC (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE) >gi_3041775_dbj_BAA25422_ (AB007193) fructose-1,6-bisphosphatase [Oryza sativa]'		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11655	Strand	-
Start	24856	End	33093
Name	OJ990402_31.9C10.C6.o8.gs	Method	GENSCAN
Start	25756	End	33079
GI	none	Score	.56
Exons	25756..25863, 25982..26243, 26401..26519, 26910..27023, 27428..27494, 27603..27664, 27753..27827, 27860..27967, 28072..28345, 29719..29746, 29875..29887, 30439..30525, 30758..30823, 31280..31393, 32075..32241, 32763..33079		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11655	Strand	-
Start	24856	End	33093
Name	OJ990402_31.9C10.C6.o6.np	Method	AAT/NAP
Start	25759	End	28230
GI	3913640	Score	1423
Exons	25759..25863, 25982..26057, 26157..26243, 26401..26466, 26543..26613, 26741..26827, 26910..27023, 27428..27494, 27603..27664, 27753..27827, 27920..27967, 28072..28230		
GI Descrip.	FRUCTOSE-1,6-BISPHOSPHATASE, CYTOSOLIC (D-FRUCTOSE-1,6-BISPHOSPHATE 1-PHOSPHOHYDROLASE) (FBPASE) gi|3041775|dbj|BAA25422| (AB007193) fructose-1,6-bisphosphatase [Oryza sativa]		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11655	Strand	-
Start	24856	End	33093
Name	OJ990402_31.9C10.C6.o7.gp	Method	AAT/GAP
Start	29472	End	30518
GI	41947_1.R1084	Score	802

Exons	29472..29746, 29875..29962, 30439..30518		
GI Descrip.	'4097579 4.0e-14 (U64922) NTGP1 [Nicotiana tabacum]'		
Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11655	Strand	-
Start	24856	End	33093
Name	OJ990402_31.9C10.C6.o7.np	Method	AAT/NAP
Start	29915	End	32997
GI	4097579	Score	619
Exons	29915..29962, 30439..30525, 30758..30823, 31280..31393, 32075..32172, 32763..32904, 32947..32997		
GI Descrip.	(U64922) NTGP1 [Nicotiana tabacum]		
Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11655	Strand	-
Start	24856	End	33093
Name	OJ990402_31.9C10.C6.o8.gp	Method	AAT/GAP
Start	31342	End	33093
GI	34788_1.R1084	Score	851
Exons	31342..31393, 32075..32172, 32763..33093		
GI Descrip.	'4097561 3.0e-26 (U64918) ATGP1 [Arabidopsis thaliana]'		
Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o5.ts	Method	TBLASTX:Soybean
Start	517	End	3424
GI	none	Score	65
Exons	517..645, 539..655, 540..659, 1167..1247, 1374..1484, 1379..1486, 1485..1598, 1487..1666, 3287..3424		
Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o7.tm	Method	TBLASTX:Maize
Start	520	End	1639
GI	none	Score	73
Exons	520..645, 521..655, 539..655, 540..659, 1167..1247, 1377..1571, 1379..1588, 1403..1588, 1580..1639		
Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o4.tm	Method	TBLASTX:Maize
Start	8728	End	9450
GI	none	Score	49
Exons	8728..8784, 8729..8791, 8831..9229, 8865..8996, 9054..9236, 9058..9237, 9204..9449, 9210..9449, 9214..9450		
Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o4.ts	Method	TBLASTX:Soybean
Start	8851	End	9194
GI	none	Score	146
Exons	8851..8997, 8857..8994, 8865..8996, 9054..9194, 9064..9165		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o3.tc	Method	TBLASTX:Cress
Start	8860	End	9414
GI	none	Score	117
Exons	8860..8997, 8865..8996, 9048..9134, 9054..9191, 9055..9165, 9171..9248, 9263..9325, 9289..9342, 9339..9413, 9340..9414		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o7.tw	Method	TBLASTX:Wheat
Start	8860	End	8991
GI	none	Score	139
Exons	8860..8991, 8865..8990		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o6.tw	Method	TBLASTX:Wheat
Start	9054	End	9178
GI	none	Score	187
Exons	9054..9173, 9058..9165, 9059..9178		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o5.tw	Method	TBLASTX:Wheat
Start	9192	End	9513
GI	none	Score	202
Exons	9192..9242, 9201..9248, 9298..9510, 9324..9512, 9361..9513		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o1.ts	Method	TBLASTX:Soybean
Start	9219	End	10679
GI	none	Score	46
Exons	9219..9257, 9310..9342, 9324..9350, 9351..9485, 9351..9533, 9352..9519, 9355..9558, 9519..9620, 9549..9620, 9568..9633, 9577..9621, 9667..9843, 9696..9785, 9701..9847, 10075..10176, 10296..10583, 10311..10511, 10312..10584, 10599..10679, 10599..10676		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o6.tc	Method	TBLASTX:Cress
Start	9420	End	9816
GI	none	Score	90
Exons	9420..9572, 9558..9620, 9700..9816		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o1.tm	Method	TBLASTX:Maize

Start	9450	End	10730
GI	none	Score	135
Exons	9450..9617, 9451..9648, 9452..9655, 9698..9832, 9699..9833, 9703..9843, 9707..9844, 10081..10179, 10087..10173, 10296..10730, 10320..10727		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o4.tc	Method	TBLASTX:Cress
Start	10075	End	10682
GI	none	Score	69
Exons	10075..10176, 10260..10289, 10296..10373, 10312..10374, 10314..10526, 10328..10501, 10371..10529, 10375..10551, 10583..10675, 10587..10682, 10587..10676, 10615..10677		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o2.tw	Method	TBLASTX:Wheat
Start	10330	End	10685
GI	none	Score	196
Exons	10330..10509, 10332..10583, 10344..10565, 10599..10685, 10642..10677		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o8.tm	Method	TBLASTX:Maize
Start	18932	End	20437
GI	none	Score	153
Exons	18932..19024, 18944..19024, 19705..19818, 19717..19833, 19719..19832, 20216..20326, 20218..20334, 20220..20339, 20221..20334, 20362..20430, 20366..20428, 20366..20437		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o8.tw	Method	TBLASTX:Wheat
Start	19717	End	20437
GI	none	Score	76
Exons	19717..19764, 19719..19754, 19760..19816, 19765..19833, 19765..19818, 20216..20326, 20218..20334, 20220..20339, 20221..20334, 20362..20430, 20362..20430, 20366..20437		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o6.tm	Method	TBLASTX:Maize
Start	21248	End	21742
GI	none	Score	62
Exons	21248..21316, 21279..21317, 21413..21463, 21434..21463, 21593..21724, 21594..21734, 21683..21742		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461

Name	OJ990402_31.9C10.C6.o2.tm	Method	TBLASTX:Maize
Start	23951	End	25282
GI	none	Score	137
Exons	23951..24091, 24007..24075, 24234..24266, 24235..24267, 24363..24431, 24364..24432, 24365..24433, 24504..24626, 24510..24608, 24518..24628, 24518..24628, 24667..24777, 24708..24773, 24833..24988, 24843..24989, 24868..24993, 24910..24996, 25079..25159, 25080..25157, 25126..25158, 25244..25282		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o1.tc	Method	TBLASTX:Cress
Start	23984	End	25288
GI	none	Score	143
Exons	23984..24091, 24001..24075, 24234..24266, 24235..24267, 24363..24431, 24364..24432, 24510..24608, 24516..24626, 24518..24649, 24518..24628, 24667..24777, 24708..24782, 24708..24776, 24709..24777, 24833..24988, 24843..24989, 24866..24991, 24868..24993, 24879..24989, 25079..25159, 25244..25288		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o2.ts	Method	TBLASTX:Soybean
Start	24010	End	25159
GI	none	Score	119
Exons	24010..24075, 24011..24091, 24363..24428, 24364..24432, 24510..24608, 24521..24628, 24706..24777, 24708..24776, 24833..24988, 24843..24989, 24879..24989, 25077..25136, 25079..25159		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o1.tw	Method	TBLASTX:Wheat
Start	24545	End	25282
GI	none	Score	109
Exons	24545..24628, 24546..24608, 24583..24630, 24706..24777, 24708..24779, 24708..24776, 24709..24777, 24833..24988, 24843..24989, 24868..24990, 25062..25154, 25077..25154, 25079..25159, 25244..25282		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o3.tw	Method	TBLASTX:Wheat
Start	25738	End	26560
GI	none	Score	74
Exons	25738..25860, 25745..25864, 25758..25859, 25762..25866, 25976..26056, 25983..26057, 25987..26058, 25989..26066, 26156..26251, 26157..26267, 26169..26276, 26401..26463, 26403..26468, 26534..26560		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6

Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o3.tm	Method	TBLASTX:Maize
Start	25746	End	28257
GI	none	Score	138
Exons	25746..25844, 25757..25864, 25759..25866, 25760..25864, 25976..26176, 25981..26052, 25983..26054, 26145..26246, 26156..26251, 26157..26261, 26158..26289, 26401..26469, 26401..26469, 26403..26474, 26534..26614, 26537..26614, 26539..26619, 26542..26616, 26728..26823, 26732..26827, 26742..26840, 26904..27023, 26908..27024, 26911..27024, 26912..27070, 27423..27497, 27425..27496, 27601..27663, 27602..27664, 27608..27664, 27752..27829, 27753..27830, 27920..27970, 27920..27970, 28072..28257, 28073..28207		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o3.ts	Method	TBLASTX:Soybean
Start	25754	End	28227
GI	none	Score	86
Exons	25754..25864, 25756..25866, 25976..26056, 25989..26048, 26156..26251, 26157..26267, 26401..26463, 26403..26465, 26534..26614, 26539..26619, 26551..26616, 26710..26838, 26732..26827, 26742..26840, 26904..27023, 26908..27024, 26910..27089, 27423..27494, 27425..27496, 27602..27664, 27753..27830, 27920..27970, 28064..28207, 28072..28227, 28072..28227		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o5.tc	Method	TBLASTX:Cress
Start	25757	End	26468
GI	none	Score	91
Exons	25757..25864, 25759..25866, 25976..26056, 25992..26057, 25996..26058, 26008..26058, 26156..26245, 26157..26246, 26159..26248, 26163..26246, 26401..26463, 26403..26468		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o2.tc	Method	TBLASTX:Cress
Start	26934	End	28233
GI	none	Score	100
Exons	26934..27023, 27423..27494, 27425..27496, 27601..27663, 27602..27661, 27753..27830, 27754..27789, 27920..27970, 28072..28233, 28073..28207		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o6.ts	Method	TBLASTX:Soybean
Start	29909	End	32997
GI	none	Score	114
Exons	29909..29965, 30436..30525, 30440..30523, 30750..30848, 30758..30823, 30760..30825, 32072..32173, 32073..32177,		

32073..32174, 32083..32175, 32764..32907, 32765..32908,
32968..32997

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o7.tc	Method	TBLASTX:Cress
Start	29909	End	32997
GI	none	Score	68
Exons	29909..29965, 29919..29963, 30436..30525, 30440..30523, 30750..30845, 30758..30823, 31280..31312, 31358..31396, 32067..32177, 32072..32173, 32764..32907, 32765..32908, 32968..32997		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o4.tw	Method	TBLASTX:Wheat
Start	32065	End	33013
GI	none	Score	161
Exons	32065..32178, 32072..32173, 32073..32174, 32764..32907, 32765..32908, 32966..33013, 32966..33004		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o5.tm	Method	TBLASTX:Maize
Start	32764	End	33133
GI	none	Score	239
Exons	32764..32910, 32765..32911, 32966..33013, 32966..32998, 33092..33133		

Seq. No.	5558	Seq. ID	OJ990402_31.9C10.C6
Gene No.	11656	Strand	-
Start	33389	End	33461
Name	OJ990402_31.9C10.C6.o9.gp	Method	AAT/GAP
Start	33389	End	33461
GI	267_4.R1084	Score	114
Exons	33389..33461		
GI Descrip.	'122085/sp|P05203|H3_MAIZE 9.0e-56 HISTONE H3 >gi_81641_pir__S06250 histone H3 - Arabidopsis thaliana >gi_82482_pir__S04099 histone H3 (variant H3R-21) - rice >gi_1362194_pir__S57626 histone H3 - maize >gi_20251_emb_CAA31969_ (X13678) histone H3 (AA 1-136) [Oryza sativa] >gi_20253_emb_CAA31970_ (X13680) histone H3 (AA 1-136) [Oryza sativa] >gi_168493 (M36658) histone H3 (H3C3) [Zea may'		

Seq. No.	5559	Seq. ID	OJ990402_31.9C10.C7
Gene No.	11657	Strand	-
Start	279	End	762
Name	OJ990402_31.9C10.C7.o1.gp	Method	AAT/GAP
Start	279	End	762
GI	15881_1.R1084	Score	916
Exons	279..762		
GI Descrip.	'1703108/sp|P53492|ACT2_ARATH 0.0e+00 ACTIN 2/7 >gi_2129525_pir__S71210 actin 2 - Arabidopsis thaliana >gi_2129528_pir__S68107 actin 7 - Arabidopsis thaliana		

>gi_1049307 (U37281) actin-2 [Arabidopsis thaliana] >gi_1943863 (U27811) actin7 [Arabidopsis thaliana]'

Seq. No.	5560	Seq. ID	OJ990402_31.9C10.C9
Gene No.	11658	Strand	-
Start	1740	End	2100
Name	OJ990402_31.9C10.C9.o1.gs	Method	GENSCAN
Start	1740	End	2100
GI	none	Score	.79
Exons	1740..1855, 2046..2100		

Seq. No.	5561	Seq. ID	OJ990402_31.9C10.C10
Gene No.	11659	Strand	-
Start	1	End	3834
Name	OJ990402_31.9C10.C10.o1.np	Method	AAT/NAP
Start	1	End	3834
GI	115786	Score	112
Exons	1..24, 2791..2974, 3706..3834		
GI Descrip.	CHLOROPHYLL A-B BINDING PROTEIN PRECURSOR (LHCII TYPE I CAB) (LHCP) gi|82680|pir||A29119 chlorophyll a/b-binding protein - maize gi|22357|emb|CAA68451| (Y00379) LHCP [Zea mays]		

Seq. No.	5561	Seq. ID	OJ990402_31.9C10.C10
Gene No.	11660	Strand	-
Start	4316	End	4939
Name	OJ990402_31.9C10.C10.o2.tm	Method	TBLASTX:Maize
Start	2828	End	2989
GI	none	Score	37
Exons	2828..2923, 2830..2850, 2870..2929, 2882..2989, 2900..2968		

Seq. No.	5561	Seq. ID	OJ990402_31.9C10.C10
Gene No.	11660	Strand	-
Start	4316	End	4939
Name	OJ990402_31.9C10.C10.o1.ts	Method	TBLASTX:Soybean
Start	4301	End	4916
GI	none	Score	39
Exons	4301..4741, 4584..4694, 4784..4915, 4794..4916		

Seq. No.	5561	Seq. ID	OJ990402_31.9C10.C10
Gene No.	11660	Strand	-
Start	4316	End	4939
Name	OJ990402_31.9C10.C10.o2.gs	Method	GENSCAN
Start	4316	End	4868
GI	none	Score	.99
Exons	4316..4868		

Seq. No.	5561	Seq. ID	OJ990402_31.9C10.C10
Gene No.	11660	Strand	-
Start	4316	End	4939
Name	OJ990402_31.9C10.C10.o2.np	Method	AAT/NAP
Start	4334	End	4939
GI	4314356	Score	393
Exons	4334..4939		
GI Descrip.	(AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]		

Seq. No.	5561	Seq. ID	OJ990402_31.9C10.C10

Gene No.	11660	Strand	-
Start	4316	End	4939
Name	OJ990402_31.9C10.C10.o1.tc	Method	TBLASTX:Cress
Start	4454	End	4930
GI	none	Score	85
Exons	4454..4741, 4569..4694, 4784..4930		

Seq. No.	5561	Seq. ID	OJ990402_31.9C10.C10
Gene No.	11660	Strand	-
Start	4316	End	4939
Name	OJ990402_31.9C10.C10.o1.tm	Method	TBLASTX:Maize
Start	4541	End	4924
GI	none	Score	104
Exons	4541..4741, 4557..4694, 4559..4699, 4784..4924, 4818..4916		

Seq. No.	5561	Seq. ID	OJ990402_31.9C10.C10
Gene No.	11660	Strand	-
Start	4316	End	4939
Name	OJ990402_31.9C10.C10.o1.tw	Method	TBLASTX:Wheat
Start	4541	End	4843
GI	none	Score	78
Exons	4541..4735, 4554..4694, 4784..4843		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11661	Strand	+
Start	2972	End	11351
Name	OJ990402_31.9C10.C11.o2.gs	Method	GENSCAN
Start	2972	End	11351
GI	none	Score	.74
Exons	2972..3062, 3088..3299, 4005..4181, 5315..5475, 5784..6023, 6127..6208, 6647..6706, 7382..9025, 9125..9226, 10205..10280, 10992..11068, 11334..11351		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11661	Strand	+
Start	2972	End	11351
Name	OJ990402_31.9C10.C11.o2.np	Method	AAT/NAP
Start	5372	End	11295
GI	5306274	Score	600
Exons	5372..5466, 5784..5908, 6096..6208, 6521..6562, 6647..6706, 7382..7460, 7614..7967, 8331..8609, 8697..8885, 8913..9025, 9125..9233, 10242..10348, 10439..10564, 10738..10798, 11210..11295		
GI Descrip.	(AC006233) unknown protein [Arabidopsis thaliana]		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11661	Strand	+
Start	2972	End	11351
Name	OJ990402_31.9C10.C11.o2.gp	Method	AAT/GAP
Start	10181	End	10961
GI	uC-osf1M202083a09b1	Score	961
Exons	10181..10348, 10439..10564, 10738..10961		
GI Descrip.	'5306274/gb|AAD42006.1|AC006233_17 4.0e-36 (AC006233) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11662	Strand	-

Start	1	End	907
Name	OJ990402_31.9C10.C11.o1.np	Method	AAT/NAP
Start	1	End	567
GI	4314356	Score	258
Exons	1..567		
GI Descrip.	(AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11662	Strand	-
Start	1	End	907
Name	OJ990402_31.9C10.C11.o1.gs	Method	GENSCAN
Start	12	End	907
GI	none	Score	.46
Exons	12..722, 855..907		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11662	Strand	-
Start	1	End	907
Name	OJ990402_31.9C10.C11.o1.gp	Method	AAT/GAP
Start	62	End	599
GI	4715255	Score	956
Exons	62..599		
GI Descrip.	4314356/gb|AAD15567| 5.0e-15 (AC006340) putative anthocyanidin-3-glucoside rhamnosyltransferase [Arabidopsis thaliana]		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11663	Strand	-
Start	11891	End	12360
Name	OJ990402_31.9C10.C11.o1.tm	Method	TBLASTX:Maize
Start	116	End	511
GI	none	Score	76
Exons	116..511, 117..218, 303..509, 308..511		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11663	Strand	-
Start	11891	End	12360
Name	OJ990402_31.9C10.C11.o3.ts	Method	TBLASTX:Soybean
Start	290	End	553
GI	none	Score	120
Exons	290..553, 303..521		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11663	Strand	-
Start	11891	End	12360
Name	OJ990402_31.9C10.C11.o1.ts	Method	TBLASTX:Soybean
Start	8483	End	10872
GI	none	Score	52
Exons	8483..8590, 8702..8842, 8734..8841, 8759..9025, 8865..8987, 8867..9040, 9122..9229, 9124..9219, 9125..9226, 10205..10351, 10258..10347, 10427..10564, 10432..10563, 10436..10564, 10437..10565, 10438..10566, 10721..10792, 10732..10872		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11663	Strand	-
Start	11891	End	12360

Name	OJ990402_31.9C10.C11.o2.tm	Method	TBLASTX:Maize
Start	8768	End	10887
GI	none	Score	64
Exons	8768..8860, 8859..9011, 8864..9025, 8867..9025, 9120..9194, 9122..9229, 9123..9233, 9124..9219, 10205..10351, 10205..10357, 10427..10564, 10431..10565, 10432..10566, 10432..10563, 10732..10887		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11663	Strand	-
Start	11891	End	12360
Name	OJ990402_31.9C10.C11.o2.tc	Method	TBLASTX:Cress
Start	8912	End	9229
GI	none	Score	161
Exons	8912..9022, 8915..9040, 8916..9023, 8917..9024, 9125..9229, 9127..9219		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11663	Strand	-
Start	11891	End	12360
Name	OJ990402_31.9C10.C11.o1.tc	Method	TBLASTX:Cress
Start	10253	End	10794
GI	none	Score	139
Exons	10253..10351, 10258..10353, 10432..10563, 10433..10564, 10732..10794		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11663	Strand	-
Start	11891	End	12360
Name	OJ990402_31.9C10.C11.o3.gs	Method	GENSCAN
Start	11891	End	12316
GI	none	Score	.98
Exons	11891..12316		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11663	Strand	-
Start	11891	End	12360
Name	OJ990402_31.9C10.C11.o2.ts	Method	TBLASTX:Soybean
Start	11894	End	12355
GI	none	Score	66
Exons	11894..11998, 11898..11999, 12011..12136, 12015..12077, 12200..12355		

Seq. No.	5562	Seq. ID	OJ990402_31.9C10.C11
Gene No.	11663	Strand	-
Start	11891	End	12360
Name	OJ990402_31.9C10.C11.o3.np	Method	AAT/NAP
Start	11894	End	12360
GI	4886282	Score	407
Exons	11894..12360		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	5563	Seq. ID	OJ990402_31.9C10.C12
Gene No.	11664	Strand	+
Start	7358	End	7702
Name	OJ990402_31.9C10.C12.o1.gp	Method	AAT/GAP
Start	7358	End	7702

GI	63060_1.R1084	Score	658
Exons	7358..7702		
GI Descrip.	'5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		

Seq. No.	5563	Seq. ID	OJ990402_31.9C10.C12
Gene No.	11665	Strand	-
Start	1	End	481
Name	OJ990402_31.9C10.C12.o1.np	Method	AAT/NAP
Start	1	End	481
GI	6671940	Score	182
Exons	1..481		
GI Descrip.	(AC016795) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5563	Seq. ID	OJ990402_31.9C10.C12
Gene No.	11666	Strand	-
Start	7397	End	7684
Name	OJ990402_31.9C10.C12.o1.tm	Method	TBLASTX:Maize
Start	89	End	457
GI	none	Score	127
Exons	89..289, 350..457		

Seq. No.	5563	Seq. ID	OJ990402_31.9C10.C12
Gene No.	11666	Strand	-
Start	7397	End	7684
Name	OJ990402_31.9C10.C12.o1.tw	Method	TBLASTX:Wheat
Start	239	End	490
GI	none	Score	65
Exons	239..289, 252..305, 302..328, 347..457, 351..452, 371..490		

Seq. No.	5563	Seq. ID	OJ990402_31.9C10.C12
Gene No.	11666	Strand	-
Start	7397	End	7684
Name	OJ990402_31.9C10.C12.o1.tc	Method	TBLASTX:Cress
Start	245	End	457
GI	none	Score	80
Exons	245..322, 252..323, 348..452, 350..457		

Seq. No.	5563	Seq. ID	OJ990402_31.9C10.C12
Gene No.	11666	Strand	-
Start	7397	End	7684
Name	OJ990402_31.9C10.C12.o1.ts	Method	TBLASTX:Soybean
Start	245	End	457
GI	none	Score	117
Exons	245..289, 302..457, 306..452, 371..457		

Seq. No.	5563	Seq. ID	OJ990402_31.9C10.C12
Gene No.	11666	Strand	-
Start	7397	End	7684
Name	OJ990402_31.9C10.C12.o2.gs	Method	GENSCAN
Start	7397	End	7684
GI	none	Score	.99
Exons	7397..7684		

Seq. No.	5564	Seq. ID	OJ990402_31.9C10.C13
Gene No.	11667	Strand	+
Start	8637	End	12047

Name	OJ990402_31.9C10.C13.o2.np	Method	AAT/NAP
Start	8637	End	12047
GI	6815109	Score	173
Exons	8637..8759, 9470..9728, 12023..12047		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5564	Seq. ID	OJ990402_31.9C10.C13
Gene No.	11668	Strand	-
Start	1	End	6992
Name	OJ990402_31.9C10.C13.o1.np	Method	AAT/NAP
Start	1	End	6992
GI	4996640	Score	229
Exons	1..151, 6612..6747, 6917..6992		
GI Descrip.	(AB028129) Dof zinc finger protein [Oryza sativa]		

Seq. No.	5564	Seq. ID	OJ990402_31.9C10.C13
Gene No.	11668	Strand	-
Start	1	End	6992
Name	OJ990402_31.9C10.C13.o1.tc	Method	TBLASTX:Cress
Start	2	End	190
GI	none	Score	115
Exons	2..190, 3..188		

Seq. No.	5564	Seq. ID	OJ990402_31.9C10.C13
Gene No.	11668	Strand	-
Start	1	End	6992
Name	OJ990402_31.9C10.C13.o1.tm	Method	TBLASTX:Maize
Start	2	End	197
GI	none	Score	154
Exons	2..196, 3..197		

Seq. No.	5564	Seq. ID	OJ990402_31.9C10.C13
Gene No.	11668	Strand	-
Start	1	End	6992
Name	OJ990402_31.9C10.C13.o1.ts	Method	TBLASTX:Soybean
Start	2	End	194
GI	none	Score	106
Exons	2..193, 3..194		

Seq. No.	5565	Seq. ID	OJ990402_31.9C10.C14
Gene No.	11669	Strand	+
Start	37	End	698
Name	OJ990402_31.9C10.C14.o1.gs	Method	GENSCAN
Start	37	End	698
GI	none	Score	.84
Exons	37..62, 536..698		

Seq. No.	5565	Seq. ID	OJ990402_31.9C10.C14
Gene No.	11670	Strand	-
Start	2177	End	2709
Name	OJ990402_31.9C10.C14.o2.gs	Method	GENSCAN
Start	2177	End	2709
GI	none	Score	.76
Exons	2177..2278, 2632..2709		

Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+

Start	724	End	5468
Name	OJ990402_31.9C10.C15.o1.np	Method	AAT/NAP
Start	724	End	5468
GI	6498441	Score	5485
Exons	724..1788, 2119..2582, 2646..3019, 3203..3337, 3512..3854, 4047..4427, 4599..5468		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o5.tw	Method	TBLASTX:Wheat
Start	873	End	1265
GI	none	Score	58
Exons	873..920, 927..1025, 932..1024, 992..1231, 1008..1265		

Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o4.tm	Method	TBLASTX:Maize
Start	878	End	1163
GI	none	Score	197
Exons	878..1162, 915..1163		

Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o4.tw	Method	TBLASTX:Wheat
Start	1273	End	4733
GI	none	Score	236
Exons	1273..1326, 4299..4550, 4299..4496, 4364..4540, 4584..4733, 4593..4730, 4595..4732		

Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o3.tw	Method	TBLASTX:Wheat
Start	2003	End	2489
GI	none	Score	401
Exons	2003..2176, 2004..2489, 2198..2458, 2268..2462		

Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o1.tw	Method	TBLASTX:Wheat
Start	2654	End	3116
GI	none	Score	576
Exons	2654..3109, 2655..3116, 2655..3110		

Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o3.ts	Method	TBLASTX:Soybean
Start	2694	End	3059
GI	none	Score	117

Exons	2694..2918, 2925..3059		
Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o1.tm	Method	TBLASTX:Maize
Start	2784	End	3140
GI	none	Score	381
Exons	2784..3140, 2819..3130, 2835..3140		
Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o2.tm	Method	TBLASTX:Maize
Start	3167	End	3551
GI	none	Score	358
Exons	3167..3532, 3168..3551		
Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o2.tw	Method	TBLASTX:Wheat
Start	3224	End	3644
GI	none	Score	484
Exons	3224..3637, 3225..3644		
Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o1.ts	Method	TBLASTX:Soybean
Start	3303	End	3674
GI	none	Score	277
Exons	3303..3674, 3320..3463		
Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o2.ts	Method	TBLASTX:Soybean
Start	4422	End	4988
GI	5666795	Score	68
Exons	4422..4520, 4596..4733, 4788..4988		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o7.tw	Method	TBLASTX:Wheat
Start	4736	End	5048
GI	none	Score	192
Exons	4736..4912, 4767..4937, 4788..5048		
Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o6.tw	Method	TBLASTX:Wheat
Start	5139	End	5455
GI	none	Score	217

Exons 5139..5453, 5278..5421, 5315..5455

Seq. No.	5566	Seq. ID	OJ990402_31.9C10.C15
Gene No.	11671	Strand	+
Start	724	End	5468
Name	OJ990402_31.9C10.C15.o3.tm	Method	TBLASTX:Maize
Start	5241	End	5465
GI	none	Score	232
Exons	5241..5465, 5270..5458		

Seq. No.	5567	Seq. ID	OJ990402_31.9C10.C16
Gene No.	11672	Strand	+
Start	1	End	722
Name	OJ990402_31.9C10.C16.o1.np	Method	AAT/NAP
Start	1	End	719
GI	6498441	Score	1025
Exons	1..344, 438..719		

GI Descrip. (AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	5567	Seq. ID	OJ990402_31.9C10.C16
Gene No.	11672	Strand	+
Start	1	End	722
Name	OJ990402_31.9C10.C16.o1.gs	Method	GENSCAN
Start	246	End	722
GI	none	Score	.68
Exons	246..722		

Seq. No.	5567	Seq. ID	OJ990402_31.9C10.C16
Gene No.	11673	Strand	+
Start	884	End	1347
Name	OJ990402_31.9C10.C16.o1.gp	Method	AAT/GAP
Start	884	End	1347
GI	2428323	Score	846
Exons	884..1347		

GI Descrip. 5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04

Seq. No.	5567	Seq. ID	OJ990402_31.9C10.C16
Gene No.	11674	Strand	+
Start	9189	End	9783
Name	OJ990402_31.9C10.C16.o4.np	Method	AAT/NAP
Start	9189	End	9783
GI	3790575	Score	177
Exons	9189..9783		

GI Descrip. (AF078825) RING-H2 finger protein RHA3b [Arabidopsis thaliana] gi|5830790|emb|CAB54876.1| (AL117188) RING-H2 finger protein RHA3b [Arabidopsis thaliana]

Seq. No.	5567	Seq. ID	OJ990402_31.9C10.C16
Gene No.	11675	Strand	-
Start	1358	End	6328
Name	OJ990402_31.9C10.C16.o1.tw	Method	TBLASTX:Wheat
Start	1	End	306
GI	none	Score	250
Exons	1..303, 43..306		

Seq. No.	5567	Seq. ID	OJ990402_31.9C10.C16
Gene No.	11675	Strand	-
Start	1358	End	6328
Name	OJ990402_31.9C10.C16.o2.np	Method	AAT/NAP
Start	1358	End	4656
GI	5803259	Score	5151
Exons	1358..3028, 3071..3299, 3395..4656		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	5567	Seq. ID	OJ990402_31.9C10.C16
Gene No.	11675	Strand	-
Start	1358	End	6328
Name	OJ990402_31.9C10.C16.o3.np	Method	AAT/NAP
Start	3853	End	6328
GI	5922623	Score	201
Exons	3853..3886, 5472..5547, 5715..5867, 6244..6328		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5567	Seq. ID	OJ990402_31.9C10.C16
Gene No.	11676	Strand	
Start	9501	End	9678
Name	OJ990402_31.9C10.C16.o1.tm	Method	TBLASTX:Maize
Start	9501	End	9678
GI	none	Score	190
Exons	9501..9656, 9502..9678		

Seq. No.	5567	Seq. ID	OJ990402_31.9C10.C16
Gene No.	11676	Strand	
Start	9501	End	9678
Name	OJ990402_31.9C10.C16.o1.tc	Method	TBLASTX:Cress
Start	9513	End	9654
GI	none	Score	193
Exons	9513..9641, 9514..9654		

Seq. No.	5568	Seq. ID	OJ990402_31.9C10.C17
Gene No.	11677	Strand	+
Start	2077	End	3366
Name	OJ990402_31.9C10.C17.o1.gp	Method	AAT/GAP
Start	2077	End	3366
GI	15881_1.R1084	Score	481
Exons	2077..2204, 3088..3157, 3283..3366		
GI Descrip.	'1703108/sp|P53492|ACT2_ARATH 0.0e+00 ACTIN 2/7 >gi_2129525_pir__S71210 actin 2 - Arabidopsis thaliana >gi_2129528_pir__S68107 actin 7 - Arabidopsis thaliana >gi_1049307 (U37281) actin-2 [Arabidopsis thaliana] >gi_1943863 (U27811) actin7 [Arabidopsis thaliana]'		

Seq. No.	5568	Seq. ID	OJ990402_31.9C10.C17
Gene No.	11677	Strand	+
Start	2077	End	3366
Name	OJ990402_31.9C10.C17.o1.np	Method	AAT/NAP
Start	3101	End	3366
GI	113220	Score	216
Exons	3101..3157, 3283..3366		

GI Descrip. ACTIN 1 gi|71640|pir||ATZM1 actin - maize

Seq. No.	5568	Seq. ID	OJ990402_31.9C10.C17
Gene No.	11678	Strand	-
Start	407	End	2426
Name	OJ990402_31.9C10.C17.o1.gs	Method	GENSCAN
Start	407	End	2426
GI	none	Score	.8
Exons	407..483, 1728..1900, 1972..2426		

Seq. No.	5568	Seq. ID	OJ990402_31.9C10.C17
Gene No.	11679	Strand	
Start	3085	End	3366
Name	OJ990402_31.9C10.C17.o1.tm	Method	TBLASTX:Maize
Start	3085	End	3366
GI	none	Score	109
Exons	3085..3156, 3086..3157, 3086..3163, 3087..3179, 3094..3159, 3274..3363, 3276..3362, 3282..3365, 3283..3366		

Seq. No.	5568	Seq. ID	OJ990402_31.9C10.C17
Gene No.	11679	Strand	
Start	3085	End	3366
Name	OJ990402_31.9C10.C17.o1.tw	Method	TBLASTX:Wheat
Start	3096	End	3366
GI	none	Score	91
Exons	3096..3164, 3109..3159, 3111..3164, 3276..3365, 3282..3365, 3283..3366		

Seq. No.	5568	Seq. ID	OJ990402_31.9C10.C17
Gene No.	11679	Strand	
Start	3085	End	3366
Name	OJ990402_31.9C10.C17.o1.ts	Method	TBLASTX:Soybean
Start	3103	End	3366
GI	none	Score	85
Exons	3103..3153, 3110..3157, 3111..3158, 3112..3159, 3274..3363, 3276..3365, 3276..3365, 3283..3366		

Seq. No.	5568	Seq. ID	OJ990402_31.9C10.C17
Gene No.	11679	Strand	
Start	3085	End	3366
Name	OJ990402_31.9C10.C17.o1.tc	Method	TBLASTX:Cress
Start	3109	End	3366
GI	none	Score	85
Exons	3109..3153, 3110..3157, 3111..3164, 3112..3159, 3269..3304, 3276..3365, 3276..3365, 3283..3366		

Seq. No.	5569	Seq. ID	OJ990402_31.9C10.C18
Gene No.	11680	Strand	+
Start	1	End	710
Name	OJ990402_31.9C10.C18.o1.np	Method	AAT/NAP
Start	1	End	701
GI	1498384	Score	996
Exons	1..701		
GI Descrip.	(U60508) actin [Zea mays]		

Seq. No.	5569	Seq. ID	OJ990402_31.9C10.C18
Gene No.	11680	Strand	+

Start	1	End	710
Name	OJ990402_31.9C10.C18.o2.tw	Method	TBLASTX:Wheat
Start	84	End	374
GI	none	Score	462
Exons	84..371, 87..374		

Seq. No.	5569	Seq. ID	OJ990402_31.9C10.C18
Gene No.	11680	Strand	+
Start	1	End	710
Name	OJ990402_31.9C10.C18.o1.tc	Method	TBLASTX:Cress
Start	86	End	710
GI	none	Score	198
Exons	86..307, 87..710, 87..710		

Seq. No.	5569	Seq. ID	OJ990402_31.9C10.C18
Gene No.	11680	Strand	+
Start	1	End	710
Name	OJ990402_31.9C10.C18.o1.tm	Method	TBLASTX:Maize
Start	87	End	710
GI	none	Score	1009
Exons	87..710, 87..704		

Seq. No.	5569	Seq. ID	OJ990402_31.9C10.C18
Gene No.	11680	Strand	+
Start	1	End	710
Name	OJ990402_31.9C10.C18.o1.ts	Method	TBLASTX:Soybean
Start	87	End	710
GI	none	Score	983
Exons	87..710, 87..710		

Seq. No.	5569	Seq. ID	OJ990402_31.9C10.C18
Gene No.	11680	Strand	+
Start	1	End	710
Name	OJ990402_31.9C10.C18.o1.gp	Method	AAT/GAP
Start	88	End	710
GI	15881_1.R1084	Score	1193
Exons	88..710		
GI Descrip.	'1703108/sp|P53492|ACT2_ARATH 0.0e+00 ACTIN 2/7 >gi_2129525_pir__S71210 actin 2 - Arabidopsis thaliana >gi_2129528_pir__S68107 actin 7 - Arabidopsis thaliana >gi_1049307 (U37281) actin-2 [Arabidopsis thaliana] >gi_1943863 (U27811) actin7 [Arabidopsis thaliana]'		

Seq. No.	5569	Seq. ID	OJ990402_31.9C10.C18
Gene No.	11680	Strand	+
Start	1	End	710
Name	OJ990402_31.9C10.C18.o1.tw	Method	TBLASTX:Wheat
Start	375	End	710
GI	none	Score	522
Exons	375..710, 377..700		

Seq. No.	5570	Seq. ID	OJ990402_31.9C10.C19
Gene No.	11681	Strand	+
Start	15	End	491
Name	OJ990402_31.9C10.C19.o1.gs	Method	GENSCAN
Start	15	End	491
GI	none	Score	.86

Exons	15..491		
Seq. No.	5571	Seq. ID	OJ990822_39.9C02.C1
Gene No.	11682	Strand	-
Start	1618	End	7359
Name	OJ990822_39.9C02.C1.o2.gs	Method	GENSCAN
Start	1618	End	7359
GI	none	Score	.73
Exons	1618..1803, 2055..2133, 2746..3038, 3158..4292, 4337..4700, 4825..4927, 4973..5230, 6102..6266, 6424..6581, 7167..7359		
Seq. No.	5572	Seq. ID	OJ990822_39.9C02.C2
Gene No.	11683	Strand	+
Start	350	End	4765
Name	OJ990822_39.9C02.C2.o1.np	Method	AAT/NAP
Start	350	End	3768
GI	5852181	Score	110
Exons	350..379, 3609..3768		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		
Seq. No.	5572	Seq. ID	OJ990822_39.9C02.C2
Gene No.	11683	Strand	+
Start	350	End	4765
Name	OJ990822_39.9C02.C2.o1.gs	Method	GENSCAN
Start	2779	End	4765
GI	none	Score	.58
Exons	2779..2917, 4566..4765		
Seq. No.	5572	Seq. ID	OJ990822_39.9C02.C2
Gene No.	11684	Strand	+
Start	4974	End	5493
Name	OJ990822_39.9C02.C2.o2.np	Method	AAT/NAP
Start	4974	End	5493
GI	6539585	Score	136
Exons	4974..5076, 5362..5493		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	5572	Seq. ID	OJ990822_39.9C02.C2
Gene No.	11685	Strand	+
Start	5618	End	7087
Name	OJ990822_39.9C02.C2.o2.gs	Method	GENSCAN
Start	5618	End	7087
GI	none	Score	.47
Exons	5618..5669, 6006..6105, 6362..6528, 7023..7087		
Seq. No.	5572	Seq. ID	OJ990822_39.9C02.C2
Gene No.	11686	Strand	+
Start	15044	End	15202
Name	OJ990822_39.9C02.C2.o4.gs	Method	GENSCAN
Start	15044	End	15202
GI	none	Score	.97
Exons	15044..15202		
Seq. No.	5572	Seq. ID	OJ990822_39.9C02.C2
Gene No.	11687	Strand	-
Start	7255	End	14350
Name	OJ990822_39.9C02.C2.o3.gs	Method	GENSCAN

Start	7255	End	14350
GI	none	Score	.73
Exons	7255..7441, 7452..7761, 9033..9390, 10535..10636, 10739..10831, 10905..11117, 11202..11442, 11531..11889, 12036..12285, 12795..12915, 12948..13189, 14295..14350		

Seq. No.	5572	Seq. ID	OJ990822_39.9C02.C2
Gene No.	11687	Strand	-
Start	7255	End	14350
Name	OJ990822_39.9C02.C2.o3.np	Method	AAT/NAP
Start	7258	End	7729
GI	6498441	Score	453
Exons	7258..7540, 7634..7729		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5572	Seq. ID	OJ990822_39.9C02.C2
Gene No.	11687	Strand	-
Start	7255	End	14350
Name	OJ990822_39.9C02.C2.o1.tw	Method	TBLASTX:Wheat
Start	7267	End	7735
GI	none	Score	107
Exons	7267..7392, 7448..7735, 7596..7724		

Seq. No.	5572	Seq. ID	OJ990822_39.9C02.C2
Gene No.	11687	Strand	-
Start	7255	End	14350
Name	OJ990822_39.9C02.C2.o1.tm	Method	TBLASTX:Maize
Start	10902	End	11321
GI	none	Score	101
Exons	10902..11120, 10906..11079, 11235..11321		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11688	Strand	+
Start	17	End	628
Name	OJ990822_39.9C02.C3.o1.gs	Method	GENSCAN
Start	17	End	628
GI	none	Score	.92
Exons	17..628		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11689	Strand	+
Start	1625	End	2306
Name	OJ990822_39.9C02.C3.o1.gp	Method	AAT/GAP
Start	1447	End	1828
GI	uC-osflcyp033a04b1	Score	691
Exons	1447..1828		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11689	Strand	+
Start	1625	End	2306
Name	OJ990822_39.9C02.C3.o2.gs	Method	GENSCAN
Start	1625	End	2306
GI	none	Score	.76

Exons	1625..1700, 2269..2306		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11690	Strand	+
Start	3866	End	3933
Name	OJ990822_39.9C02.C3.o2.gp	Method	AAT/GAP
Start	3866	End	3933
GI	LIB3477-003-P1-K1-E9	Score	75
Exons	3866..3933		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11691	Strand	+
Start	16712	End	20983
Name	OJ990822_39.9C02.C3.o4.np	Method	AAT/NAP
Start	16577	End	20983
GI	6815097	Score	359
Exons	16577..17399, 20925..20983		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11691	Strand	+
Start	16712	End	20983
Name	OJ990822_39.9C02.C3.o7.gs	Method	GENSCAN
Start	16712	End	17516
GI	none	Score	.83
Exons	16712..16851, 16953..17121, 17316..17516		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11691	Strand	+
Start	16712	End	20983
Name	OJ990822_39.9C02.C3.o8.gs	Method	GENSCAN
Start	20220	End	20477
GI	none	Score	.8
Exons	20220..20233, 20444..20477		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11692	Strand	-
Start	1	End	8612
Name	OJ990822_39.9C02.C3.o1.np	Method	AAT/NAP
Start	1	End	5277
GI	5852180	Score	586
Exons	1..89, 132..546, 598..715, 1677..1730, 5231..5277		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11692	Strand	-
Start	1	End	8612
Name	OJ990822_39.9C02.C3.o3.gs	Method	GENSCAN
Start	3087	End	8612
GI	none	Score	.46
Exons	3087..3263, 3305..3862, 3997..4084, 4212..4263, 4507..5266, 5708..6529, 6914..6980, 8491..8612		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11692	Strand	-
Start	1	End	8612
Name	OJ990822_39.9C02.C3.o2.np	Method	AAT/NAP
Start	4340	End	6691
GI	5911167	Score	1502
Exons	4340..6691		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11693	Strand	-
Start	11993	End	12175
Name	OJ990822_39.9C02.C3.o4.gs	Method	GENSCAN
Start	11993	End	12175
GI	none	Score	.72
Exons	11993..12175		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o1.tw	Method	TBLASTX:Wheat
Start	3428	End	4789
GI	none	Score	95
Exons	3428..3517, 3563..3613, 3602..3850, 4373..4789, 4419..4622		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o5.tm	Method	TBLASTX:Maize
Start	3608	End	4071
GI	none	Score	163
Exons	3608..3829, 3615..3824, 3991..4071		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o1.tm	Method	TBLASTX:Maize
Start	4430	End	4925
GI	none	Score	391
Exons	4430..4924, 4431..4925		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o2.ts	Method	TBLASTX:Soybean
Start	4478	End	4867
GI	none	Score	138
Exons	4478..4720, 4479..4673, 4733..4867, 4755..4835		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o3.tm	Method	TBLASTX:Maize
Start	4955	End	5418
GI	none	Score	151
Exons	4955..5182, 4958..5116, 5157..5417, 5165..5416, 5188..5418, 5199..5417		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o3.tw	Method	TBLASTX:Wheat
Start	5532	End	5833
GI	none	Score	102
Exons	5532..5819, 5573..5833		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o2.tm	Method	TBLASTX:Maize
Start	5573	End	6041
GI	none	Score	188
Exons	5573..5875, 5573..5890, 5574..5879, 5882..6040, 5888..6034, 5892..6041		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o1.tc	Method	TBLASTX:Cress
Start	5618	End	5953
GI	none	Score	52
Exons	5618..5839, 5676..5771, 5853..5951, 5861..5953		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o4.tw	Method	TBLASTX:Wheat
Start	5846	End	6124
GI	none	Score	85
Exons	5846..5959, 5975..6124, 5988..6113		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o3.np	Method	AAT/NAP
Start	13342	End	14200
GI	4262142	Score	557
Exons	13342..14200		
GI Descrip.	(AC005275) putative alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o5.gs	Method	GENSCAN
Start	13348	End	14172
GI	none	Score	.73
Exons	13348..14172		

Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o1.ts	Method	TBLASTX:Soybean
Start	13366	End	14157
GI	none	Score	74

Exons	13366..13479, 13391..13447, 13558..13860, 13586..13852, 13873..14157		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o4.tm	Method	TBLASTX:Maize
Start	13384	End	14151
GI	none	Score	136
Exons	13384..13476, 13561..13866, 13882..13998, 13996..14151		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o3.gp	Method	AAT/GAP
Start	13445	End	13784
GI	LIB3433-043-P1-K1-G10	Score	607
Exons	13445..13784		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o2.tc	Method	TBLASTX:Cress
Start	13771	End	14152
GI	none	Score	67
Exons	13771..13860, 13772..13852, 13888..13998, 13892..13927, 13993..14151, 13994..14152		
Seq. No.	5573	Seq. ID	OJ990822_39.9C02.C3
Gene No.	11694	Strand	-
Start	13348	End	14200
Name	OJ990822_39.9C02.C3.o2.tw	Method	TBLASTX:Wheat
Start	13876	End	14184
GI	none	Score	46
Exons	13876..13998, 13933..13959, 13991..14152, 13993..14184		
Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11695	Strand	+
Start	4306	End	7371
Name	OJ990822_39.9C02.C4.o2.gs	Method	GENSCAN
Start	4306	End	6644
GI	none	Score	.55
Exons	4306..4348, 4545..4680, 5646..5768, 5773..6025, 6099..6264, 6547..6644		
Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11695	Strand	+
Start	4306	End	7371
Name	OJ990822_39.9C02.C4.o3.np	Method	AAT/NAP
Start	5463	End	7371
GI	6063554	Score	171
Exons	5463..5600, 5795..6041, 7195..7371		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11695	Strand	+
Start	4306	End	7371
Name	OJ990822_39.9C02.C4.o2.np	Method	AAT/NAP
Start	5717	End	6641
GI	5852178	Score	403
Exons	5717..6025, 6057..6173, 6539..6641		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11695	Strand	+
Start	4306	End	7371
Name	OJ990822_39.9C02.C4.o1.gp	Method	AAT/GAP
Start	6776	End	7211
GI	2428185	Score	701
Exons	6776..7211		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11696	Strand	+
Start	9270	End	9794
Name	OJ990822_39.9C02.C4.o2.gp	Method	AAT/GAP
Start	9270	End	9794
GI	LIB3434-038-P1-K1-F1	Score	745
Exons	9270..9794		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11697	Strand	+
Start	19848	End	28664
Name	OJ990822_39.9C02.C4.o5.np	Method	AAT/NAP
Start	19848	End	21742
GI	4680203	Score	187
Exons	19848..19878, 21109..21742		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11697	Strand	+
Start	19848	End	28664
Name	OJ990822_39.9C02.C4.o5.gs	Method	GENSCAN
Start	21115	End	28664
GI	none	Score	.68
Exons	21115..21813, 21915..22191, 23016..23186, 23206..23265, 23308..23332, 23916..24096, 24773..25007, 25235..25366, 28636..28664		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11697	Strand	+
Start	19848	End	28664
Name	OJ990822_39.9C02.C4.o6.np	Method	AAT/NAP
Start	21226	End	24103
GI	4558686	Score	149
Exons	21226..21707, 24082..24103		
GI Descrip.	(AC006586) putative TNP2-like transposon protein [Arabidopsis		

thaliana]

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11698	Strand	+
Start	30921	End	31695
Name	OJ990822_39.9C02.C4.o6.gs	Method	GENSCAN
Start	30921	End	31695
GI	none	Score	.49
Exons	30921..31132, 31572..31695		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11699	Strand	-
Start	407	End	6837
Name	OJ990822_39.9C02.C4.o1.np	Method	AAT/NAP
Start	407	End	6837
GI	4544372	Score	511
Exons	407..2125, 6813..6837		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11700	Strand	-
Start	9084	End	10355
Name	OJ990822_39.9C02.C4.o3.gs	Method	GENSCAN
Start	9084	End	10355
GI	none	Score	.59
Exons	9084..9174, 10285..10355		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o4.ts	Method	TBLASTX:Soybean
Start	425	End	646
GI	none	Score	94
Exons	425..646, 516..602		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o2.tm	Method	TBLASTX:Maize
Start	978	End	15837
GI	none	Score	65
Exons	978..1076, 15337..15492, 15478..15561, 15574..15837, 15662..15757		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o6.ts	Method	TBLASTX:Soybean
Start	993	End	1304
GI	none	Score	189
Exons	993..1304		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o4.gs	Method	GENSCAN

Start	10982	End	20280
GI	none	Score	.43
Exons	10982..11057, 11131..11399, 11478..11578, 11627..11749, 12144..12267, 13594..15116, 16679..16947, 18508..18680, 19884..20150, 20179..20280		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o4.np	Method	AAT/NAP
Start	13576	End	17459
GI	2443320	Score	5268
Exons	13576..17459		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o4.tm	Method	TBLASTX:Maize
Start	13591	End	14017
GI	none	Score	71
Exons	13591..13731, 13640..13732, 13840..14016, 13859..14017		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o3.tw	Method	TBLASTX:Wheat
Start	13618	End	14100
GI	none	Score	91
Exons	13618..13731, 13619..13720, 13729..14100, 13757..14095		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o3.ts	Method	TBLASTX:Soybean
Start	13840	End	14202
GI	none	Score	67
Exons	13840..14202, 13853..14008		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o3.tm	Method	TBLASTX:Maize
Start	14059	End	14523
GI	none	Score	70
Exons	14059..14292, 14080..14385, 14362..14523		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o1.tw	Method	TBLASTX:Wheat
Start	14173	End	14932
GI	none	Score	309
Exons	14173..14562, 14174..14563, 14587..14931, 14588..14932		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-

Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o1.tm	Method	TBLASTX:Maize
Start	14582	End	14926
GI	none	Score	150
Exons	14582..14926, 14620..14907		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o1.ts	Method	TBLASTX:Soybean
Start	14612	End	15045
GI	5509260	Score	102
Exons	14612..14770, 14620..15045, 14804..15007		
GI Descrip.	-		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o2.tc	Method	TBLASTX:Cress
Start	14713	End	14971
GI	none	Score	96
Exons	14713..14970, 14834..14971		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o1.tc	Method	TBLASTX:Cress
Start	15298	End	15774
GI	none	Score	117
Exons	15298..15462, 15481..15558, 15568..15774		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o2.ts	Method	TBLASTX:Soybean
Start	15355	End	15786
GI	none	Score	114
Exons	15355..15492, 15478..15558, 15557..15784, 15559..15786		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o2.tw	Method	TBLASTX:Wheat
Start	15355	End	15986
GI	none	Score	437
Exons	15355..15840, 15374..15862, 15840..15986, 15841..15960		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o5.ts	Method	TBLASTX:Soybean
Start	15855	End	16145
GI	none	Score	101
Exons	15855..15986, 16011..16145		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-

Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o4.tw	Method	TBLASTX:Wheat
Start	15987	End	16455
GI	none	Score	111
Exons	15987..16208, 16006..16152, 16016..16162, 16203..16403, 16206..16418, 16207..16419, 16210..16455		

Seq. No.	5574	Seq. ID	OJ990822_39.9C02.C4
Gene No.	11701	Strand	-
Start	10982	End	20280
Name	OJ990822_39.9C02.C4.o5.tw	Method	TBLASTX:Wheat
Start	16915	End	17261
GI	none	Score	63
Exons	16915..17082, 16917..17261		

Seq. No.	5575	Seq. ID	OJ990822_39.9C02.C5
Gene No.	11702	Strand	+
Start	333	End	7079
Name	OJ990822_39.9C02.C5.o1.gs	Method	GENSCAN
Start	333	End	7079
GI	none	Score	.75
Exons	333..419, 656..826, 1153..1304, 2088..2232, 2330..2351, 2801..2926, 3093..3150, 3362..3514, 5793..5834, 6407..7079		

Seq. No.	5575	Seq. ID	OJ990822_39.9C02.C5
Gene No.	11703	Strand	-
Start	1	End	857
Name	OJ990822_39.9C02.C5.o1.np	Method	AAT/NAP
Start	1	End	857
GI	5922623	Score	229
Exons	1..78, 246..398, 775..857		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi|6016856|dbj|BAA85199.1| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	5575	Seq. ID	OJ990822_39.9C02.C5
Gene No.	11704	Strand	-
Start	3946	End	6860
Name	OJ990822_39.9C02.C5.o2.np	Method	AAT/NAP
Start	3946	End	6860
GI	6523547	Score	91
Exons	3946..4123, 4415..4886, 5161..5190, 5470..5520, 6523..6610, 6686..6860		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11705	Strand	+
Start	44	End	1584
Name	OJ990822_39.9C02.C6.o1.gs	Method	GENSCAN
Start	44	End	1584
GI	none	Score	1
Exons	44..751, 895..1584		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11706	Strand	+
Start	3526	End	7287

Name	OJ990822_39.9C02.C6.o2.gs	Method	GENSCAN
Start	3526	End	7287
GI	none	Score	.63
Exons	3526..3595, 4493..4578, 6811..7287		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11707	Strand	+
Start	10203	End	25766
Name	OJ990822_39.9C02.C6.o2.np	Method	AAT/NAP
Start	10203	End	15984
GI	4680203	Score	1690
Exons	10203..10236, 11551..13340, 13497..13721, 13998..14743, 15936..15984		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11707	Strand	+
Start	10203	End	25766
Name	OJ990822_39.9C02.C6.o3.np	Method	AAT/NAP
Start	13714	End	25766
GI	5305335	Score	276
Exons	13714..13733, 15484..15915, 18036..18274, 23662..23798, 25603..25766		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11707	Strand	+
Start	10203	End	25766
Name	OJ990822_39.9C02.C6.o6.gs	Method	GENSCAN
Start	16656	End	19942
GI	none	Score	.67
Exons	16656..16853, 16925..17616, 17719..18777, 18863..19114, 19395..19476, 19751..19942		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11707	Strand	+
Start	10203	End	25766
Name	OJ990822_39.9C02.C6.o7.gs	Method	GENSCAN
Start	21382	End	23430
GI	none	Score	.4
Exons	21382..21468, 23338..23430		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11708	Strand	-
Start	3217	End	8182
Name	OJ990822_39.9C02.C6.o1.np	Method	AAT/NAP
Start	3217	End	8182
GI	6815097	Score	73
Exons	3217..3335, 5519..5604, 8071..8182		
GI Descrip.	(AP001081) Similar to putative copia polyprotein (AC006248) [Oryza sativa]		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11709	Strand	-
Start	15206	End	15979
Name	OJ990822_39.9C02.C6.o5.gs	Method	GENSCAN

Start	15206	End	15979
GI	none	Score	.57
Exons	15206..15445, 15617..15979		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o2.tw	Method	TBLASTX:Wheat
Start	12102	End	12695
GI	none	Score	232
Exons	12102..12392, 12104..12394, 12450..12566, 12453..12551, 12570..12695, 12587..12694		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o1.ts	Method	TBLASTX:Soybean
Start	12120	End	12392
GI	none	Score	297
Exons	12120..12392, 12137..12385		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o2.ts	Method	TBLASTX:Soybean
Start	12435	End	12710
GI	none	Score	221
Exons	12435..12710, 12470..12709		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o2.tc	Method	TBLASTX:Cress
Start	12459	End	12791
GI	none	Score	288
Exons	12459..12791, 12545..12595, 12629..12736		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o2.tm	Method	TBLASTX:Maize
Start	12597	End	13082
GI	none	Score	102
Exons	12597..12701, 12605..12700, 12704..12796, 12708..12797, 12865..12900, 12894..12941, 12942..12989, 12989..13078, 12993..13082		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o3.tw	Method	TBLASTX:Wheat
Start	12696	End	13031
GI	none	Score	57
Exons	12696..12737, 12741..12839, 12743..12838, 12885..12983, 12896..12964, 12993..13031		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6

Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o1.tm	Method	TBLASTX:Maize
Start	13587	End	13970
GI	none	Score	63
Exons	13587..13655, 13655..13969, 13656..13970		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o1.tw	Method	TBLASTX:Wheat
Start	13611	End	14744
GI	none	Score	550
Exons	13611..14327, 13664..14143, 13842..14147, 14336..14518, 14346..14534, 14511..14612, 14553..14612, 14643..14744, 14645..14737		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o1.tc	Method	TBLASTX:Cress
Start	13902	End	14327
GI	none	Score	313
Exons	13902..14327, 13910..14143		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o3.tm	Method	TBLASTX:Maize
Start	14220	End	14510
GI	none	Score	146
Exons	14220..14390, 14268..14384, 14402..14509, 14403..14510		

Seq. No.	5576	Seq. ID	OJ990822_39.9C02.C6
Gene No.	11710	Strand	-
Start	25124	End	26741
Name	OJ990822_39.9C02.C6.o8.gs	Method	GENSCAN
Start	25124	End	26741
GI	none	Score	.53
Exons	25124..25204, 25605..25697, 26634..26741		

Seq. No.	5577	Seq. ID	OJ990822_39.9C02.C8
Gene No.	11711	Strand	-
Start	1	End	618
Name	OJ990822_39.9C02.C8.o1.np	Method	AAT/NAP
Start	1	End	618
GI	2498930	Score	677
Exons	1..391, 559..618		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]		

Seq. No.	5577	Seq. ID	OJ990822_39.9C02.C8
Gene No.	11711	Strand	-
Start	1	End	618
Name	OJ990822_39.9C02.C8.o1.gs	Method	GENSCAN
Start	194	End	618
GI	none	Score	.61

Exons	194..391, 559..618		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11712	Strand	-
Start	23	End	682
Name	OJ990822_39.9C02.C9.o1.gs	Method	GENSCAN
Start	23	End	682
GI	none	Score	.9
Exons	23..142, 196..448, 453..682		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o7.tm	Method	TBLASTX:Maize
Start	1192	End	1438
GI	none	Score	48
Exons	1192..1224, 1192..1224, 1226..1438, 1227..1412		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o1.np	Method	AAT/NAP
Start	1202	End	6169
GI	4680179	Score	5637
Exons	1202..4603, 4631..5570, 6066..6169		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o6.tw	Method	TBLASTX:Wheat
Start	1247	End	1579
GI	none	Score	155
Exons	1247..1579, 1269..1577		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o2.gs	Method	GENSCAN
Start	1289	End	5617
GI	none	Score	.58
Exons	1289..2812, 2936..4296, 4525..5617		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o1.tm	Method	TBLASTX:Maize
Start	1442	End	2027
GI	none	Score	98
Exons	1442..1867, 1443..1640, 1463..1705, 1695..1868, 1863..2012, 1865..2026, 1872..2027		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o1.tw	Method	TBLASTX:Wheat
Start	1580	End	2206

GI	none	Score	40
Exons	1580..2206, 1581..1640, 1698..2150		

Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o3.tm	Method	TBLASTX:Maize
Start	2075	End	2367
GI	none	Score	296
Exons	2075..2365, 2079..2366, 2266..2367		

Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o2.ts	Method	TBLASTX:Soybean
Start	2165	End	2425
GI	none	Score	194
Exons	2165..2425, 2166..2414		

Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o1.tc	Method	TBLASTX:Cress
Start	2189	End	2515
GI	none	Score	77
Exons	2189..2332, 2190..2330, 2333..2515		

Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o2.tw	Method	TBLASTX:Wheat
Start	2213	End	2752
GI	none	Score	290
Exons	2213..2752, 2217..2570		

Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o2.tm	Method	TBLASTX:Maize
Start	2780	End	3133
GI	none	Score	191
Exons	2780..3133, 2787..3128		

Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o3.tw	Method	TBLASTX:Wheat
Start	2780	End	3205
GI	none	Score	210
Exons	2780..3130, 2780..3205, 2787..3203		

Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o3.ts	Method	TBLASTX:Soybean
Start	2951	End	3199
GI	none	Score	206

Exons	2951..3199		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o5.tm	Method	TBLASTX:Maize
Start	3140	End	3472
GI	none	Score	142
Exons	3140..3472, 3141..3419		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o5.tw	Method	TBLASTX:Wheat
Start	3206	End	3469
GI	none	Score	250
Exons	3206..3469, 3207..3467		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o1.ts	Method	TBLASTX:Soybean
Start	3221	End	3616
GI	none	Score	189
Exons	3221..3472, 3231..3464, 3417..3563, 3539..3580, 3540..3578, 3583..3615, 3584..3616, 3584..3616		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o4.tm	Method	TBLASTX:Maize
Start	3527	End	3974
GI	none	Score	72
Exons	3527..3970, 3732..3974		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o4.tw	Method	TBLASTX:Wheat
Start	3557	End	4040
GI	none	Score	223
Exons	3557..4039, 3560..4036, 3600..4040		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o4.ts	Method	TBLASTX:Soybean
Start	3689	End	4003
GI	none	Score	200
Exons	3689..4003		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o8.tm	Method	TBLASTX:Maize
Start	3977	End	4168
GI	none	Score	106

Exons	3977..4168, 4023..4130		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o8.tw	Method	TBLASTX:Wheat
Start	4172	End	4525
GI	none	Score	56
Exons	4172..4525, 4247..4435		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o7.tw	Method	TBLASTX:Wheat
Start	4859	End	5209
GI	none	Score	35
Exons	4859..5209, 4925..4960, 4972..5061		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o6.tm	Method	TBLASTX:Maize
Start	4871	End	5209
GI	none	Score	92
Exons	4871..5209, 4913..5209		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o9.tw	Method	TBLASTX:Wheat
Start	5261	End	5459
GI	none	Score	130
Exons	5261..5458, 5262..5459		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o3.gs	Method	GENSCAN
Start	5884	End	6684
GI	none	Score	.97
Exons	5884..6684		
Seq. No.	5578	Seq. ID	OJ990822_39.9C02.C9
Gene No.	11713	Strand	-
Start	1289	End	6684
Name	OJ990822_39.9C02.C9.o2.np	Method	AAT/NAP
Start	5887	End	6684
GI	4512231	Score	1338
Exons	5887..6684		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	5579	Seq. ID	OJ990822_38.9C02.C2
Gene No.	11714	Strand	+
Start	119	End	469
Name	OJ990822_38.9C02.C2.o1.gs	Method	GENSCAN
Start	119	End	469
GI	none	Score	.54

Exons	119..277, 410..469		
Seq. No.	5580	Seq. ID	OJ990822_38.9C02.C3
Gene No.	11715	Strand	-
Start	457	End	764
Name	OJ990822_38.9C02.C3.o1.ts	Method	TBLASTX:Soybean
Start	282	End	739
GI	none	Score	233
Exons	282..566, 290..595, 681..734,	698..739	
Seq. No.	5580	Seq. ID	OJ990822_38.9C02.C3
Gene No.	11715	Strand	-
Start	457	End	764
Name	OJ990822_38.9C02.C3.o1.tm	Method	TBLASTX:Maize
Start	284	End	764
GI	none	Score	352
Exons	284..595, 288..566, 290..595,	698..763, 698..763, 699..764	
Seq. No.	5580	Seq. ID	OJ990822_38.9C02.C3
Gene No.	11715	Strand	-
Start	457	End	764
Name	OJ990822_38.9C02.C3.o1.tc	Method	TBLASTX:Cress
Start	296	End	764
GI	none	Score	129
Exons	296..511, 297..512, 698..763,	699..764	
Seq. No.	5580	Seq. ID	OJ990822_38.9C02.C3
Gene No.	11715	Strand	-
Start	457	End	764
Name	OJ990822_38.9C02.C3.o1.np	Method	AAT/NAP
Start	299	End	764
GI	5032087	Score	170
Exons	299..565, 698..764		
GI Descrip.	pre-mRNA splicing factor SF3a (120 kDa subunit), similar to S. cerevisiae PRP21 gi|2498882|sp|Q15459|S114_HUMAN SPLICEOSOME ASSOCIATED PROTEIN 114 (SAP 114) (SF3A120) gi|2146975|pir||S60735 splicing factor SF3a 120K chain - human gi|899298|emb|CAA59494| (X85237) human splicing factor [Homo sapiens] gi|3212998|gb|AAC23435.1| (AC004997) spliceosome associated protein 11		
Seq. No.	5580	Seq. ID	OJ990822_38.9C02.C3
Gene No.	11715	Strand	-
Start	457	End	764
Name	OJ990822_38.9C02.C3.o1.gs	Method	GENSCAN
Start	457	End	744
GI	none	Score	.89
Exons	457..565, 698..744		
Seq. No.	5581	Seq. ID	OJ990822_38.9C02.C4
Gene No.	11716	Strand	-
Start	1	End	646
Name	OJ990822_38.9C02.C4.o1.np	Method	AAT/NAP
Start	1	End	646
GI	2498930	Score	746
Exons	1..418, 586..646		
GI Descrip.	DORSAL-VENTRAL PATTERNING PROTEIN SOG (SHORT GASTRULATION		

PROTEIN) gi|1203794 (U18774) Sog [Drosophila melanogaster]

Seq. No.	5581	Seq. ID	OJ990822_38.9C02.C4
Gene No.	11716	Strand	-
Start	1	End	646
Name	OJ990822_38.9C02.C4.o1.gs	Method	GENSCAN
Start	24	End	645
GI	none	Score	1
Exons	24..418, 586..645		

Seq. No.	5582	Seq. ID	OJ990822_38.9C02.C5
Gene No.	11717	Strand	+
Start	6617	End	6964
Name	OJ990822_38.9C02.C5.o1.gp	Method	AAT/GAP
Start	6617	End	6964
GI	none	Score	631
Exons	6617..6964		

Seq. No.	5582	Seq. ID	OJ990822_38.9C02.C5
Gene No.	11718	Strand	+
Start	8217	End	9718
Name	OJ990822_38.9C02.C5.o3.gs	Method	GENSCAN
Start	8217	End	9718
GI	none	Score	.79
Exons	8217..8345, 8551..8685, 9234..9292, 9649..9718		

Seq. No.	5582	Seq. ID	OJ990822_38.9C02.C5
Gene No.	11719	Strand	+
Start	10146	End	14274
Name	OJ990822_38.9C02.C5.o4.gs	Method	GENSCAN
Start	10146	End	14274
GI	none	Score	.73
Exons	10146..10528, 10947..11017, 14102..14274		

Seq. No.	5582	Seq. ID	OJ990822_38.9C02.C5
Gene No.	11720	Strand	-
Start	6733	End	7305
Name	OJ990822_38.9C02.C5.o2.gs	Method	GENSCAN
Start	6733	End	7305
GI	none	Score	.73
Exons	6733..7305		

Seq. No.	5583	Seq. ID	OJ990822_38.9C02.C6
Gene No.	11721	Strand	+
Start	155	End	253
Name	OJ990822_38.9C02.C6.o1.gs	Method	GENSCAN
Start	155	End	253
GI	none	Score	.81
Exons	155..253		

Seq. No.	5583	Seq. ID	OJ990822_38.9C02.C6
Gene No.	11722	Strand	-
Start	1	End	1898
Name	OJ990822_38.9C02.C6.o1.np	Method	AAT/NAP
Start	1	End	1898
GI	1480078	Score	83
Exons	1..24, 1635..1898		

GI Descrip.	(X99696) shaggy-like protein kinase iota [Arabidopsis thaliana] gi|2444277|gb|AAB71545.1| (AF019927) GSK3/shaggy-like protein kinase [Arabidopsis thaliana]		
Seq. No.	5584	Seq. ID	OJ990822_38.9C02.C7
Gene No.	11723	Strand	-
Start	350	End	775
Name	OJ990822_38.9C02.C7.o1.gp	Method	AAT/GAP
Start	350	End	775
GI	none	Score	784
Exons	350..775		
Seq. No.	5585	Seq. ID	OJ990822_38.9C02.C8
Gene No.	11724	Strand	+
Start	67	End	772
Name	OJ990822_38.9C02.C8.o1.gs	Method	GENSCAN
Start	67	End	772
GI	none	Score	.74
Exons	67..200, 649..772		
Seq. No.	5585	Seq. ID	OJ990822_38.9C02.C8
Gene No.	11725	Strand	-
Start	2829	End	4360
Name	OJ990822_38.9C02.C8.o2.gs	Method	GENSCAN
Start	2829	End	4360
GI	none	Score	.74
Exons	2829..3022, 4225..4360		
Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11726	Strand	+
Start	1	End	11132
Name	OJ990822_38.9C02.C9.o2.np	Method	AAT/NAP
Start	1	End	10561
GI	3152583	Score	212
Exons	1..69, 10034..10561		
GI Descrip.	(AC002986) Contains similarity to inhibitor of apoptosis protein gb|U45881 from D. melanogaster. [Arabidopsis thaliana]		
Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11726	Strand	+
Start	1	End	11132
Name	OJ990822_38.9C02.C9.o1.np	Method	AAT/NAP
Start	1845	End	5037
GI	4680182	Score	938
Exons	1845..3808, 4905..5037		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11726	Strand	+
Start	1	End	11132
Name	OJ990822_38.9C02.C9.o1.gs	Method	GENSCAN
Start	1868	End	3815
GI	none	Score	.64
Exons	1868..2685, 2708..3815		
Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11726	Strand	+

Start	1	End	11132
Name	OJ990822_38.9C02.C9.o2.gs	Method	GENSCAN
Start	5063	End	6762
GI	none	Score	.81
Exons	5063..5135, 5428..5570, 5626..5755, 6632..6762		

Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11726	Strand	+
Start	1	End	11132
Name	OJ990822_38.9C02.C9.o4.gs	Method	GENSCAN
Start	10043	End	11132
GI	none	Score	.62
Exons	10043..10186, 10280..10792, 10837..10945, 11020..11132		

Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11727	Strand	-
Start	6290	End	6747
Name	OJ990822_38.9C02.C9.o1.gp	Method	AAT/GAP
Start	6290	End	6747
GI	3761506	Score	750
Exons	6290..6747		

Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11728	Strand	-
Start	8705	End	9547
Name	OJ990822_38.9C02.C9.o3.gs	Method	GENSCAN
Start	8705	End	9547
GI	none	Score	.82
Exons	8705..8713, 8756..8816, 8923..9047, 9082..9215, 9274..9547		

Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11729	Strand	-
Start	12893	End	14809
Name	OJ990822_38.9C02.C9.o1.tm	Method	TBLASTX:Maize
Start	6694	End	9374
GI	none	Score	71
Exons	6694..6738, 8752..8814, 8757..8828, 8921..8947, 8922..9050, 8923..9015, 8976..9056, 9125..9217, 9143..9217, 9144..9218, 9306..9374, 9314..9367		

Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11729	Strand	-
Start	12893	End	14809
Name	OJ990822_38.9C02.C9.o1.ts	Method	TBLASTX:Soybean
Start	8753	End	9217
GI	none	Score	103
Exons	8753..8815, 8922..9050, 8923..9012, 8976..9056, 9143..9217, 9145..9216		

Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11729	Strand	-
Start	12893	End	14809
Name	OJ990822_38.9C02.C9.o1.tw	Method	TBLASTX:Wheat
Start	8922	End	9374
GI	none	Score	107
Exons	8922..9047, 8923..9015, 8979..9047, 9143..9217, 9144..9215, 9317..9367, 9318..9374		

Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11729	Strand	-
Start	12893	End	14809
Name	OJ990822_38.9C02.C9.o2.tm	Method	TBLASTX:Maize
Start	10028	End	14809
GI	none	Score	208
Exons	10028..10288, 10031..10078, 10186..10275, 14726..14809, 14740..14808		

Seq. No.	5586	Seq. ID	OJ990822_38.9C02.C9
Gene No.	11729	Strand	-
Start	12893	End	14809
Name	OJ990822_38.9C02.C9.o5.gs	Method	GENSCAN
Start	12893	End	14694
GI	none	Score	.69
Exons	12893..12976, 14650..14694		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11730	Strand	+
Start	6069	End	6263
Name	OJ990822_38.9C02.C10.o3.gs	Method	GENSCAN
Start	6069	End	6263
GI	none	Score	.72
Exons	6069..6263		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11731	Strand	+
Start	8464	End	13878
Name	OJ990822_38.9C02.C10.o1.np	Method	AAT/NAP
Start	8464	End	12372
GI	421842	Score	1515
Exons	8464..8633, 8740..8955, 9072..9227, 9313..9370, 9512..9829, 10629..10868, 10960..11058, 11230..11459, 11655..12097, 12249..12372		
GI Descrip.	potassium channel protein - Arabidopsis thaliana gi|166774 (M86990) potassium channel protein [Arabidopsis thaliana] gi|1065906 (U25088) potassium channel protein [Arabidopsis thaliana]		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11731	Strand	+
Start	8464	End	13878
Name	OJ990822_38.9C02.C10.o4.gs	Method	GENSCAN
Start	8464	End	13878
GI	none	Score	.85
Exons	8464..8633, 8740..8955, 8999..9071, 9512..9829, 10629..10868, 11155..11187, 11274..11459, 11544..12111, 12263..12327, 13326..13514, 13516..13878		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11732	Strand	-
Start	2824	End	3729
Name	OJ990822_38.9C02.C10.o2.gs	Method	GENSCAN
Start	2824	End	3729
GI	none	Score	.62
Exons	2824..2949, 3652..3729		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11733	Strand	-
Start	9807	End	13805
Name	OJ990822_38.9C02.C10.o1.gp	Method	AAT/GAP
Start	9807	End	13805
GI	uC-osflcyp155c06b1	Score	1006
Exons	9807..9877, 10678..10845, 11569..11642, 13555..13805		
GI Descrip.	'2832703/emb|CAA16801.1| 9.0e-14 (AL021713) potassium channel protein KAT2 [Arabidopsis thaliana]'		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11734	Strand	-
Start	14628	End	16658
Name	OJ990822_38.9C02.C10.o1.tc	Method	TBLASTX:Cress
Start	8524	End	12360
GI	none	Score	114
Exons	8524..8634, 8556..8627, 8721..8801, 8737..8958, 8738..8956, 8738..8977, 8847..8975, 9061..9273, 9069..9230, 9070..9231, 9296..9376, 9305..9370, 9310..9375, 9506..9829, 9511..9822, 9653..9829, 10628..10855, 10629..10871, 10713..10868, 10959..11066, 10960..11058, 11271..11453, 11282..11368, 11991..12020, 12042..12116, 12247..12360		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11734	Strand	-
Start	14628	End	16658
Name	OJ990822_38.9C02.C10.o4.tm	Method	TBLASTX:Maize
Start	8536	End	8902
GI	none	Score	95
Exons	8536..8673, 8556..8636, 8749..8901, 8765..8902		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11734	Strand	-
Start	14628	End	16658
Name	OJ990822_38.9C02.C10.o2.tm	Method	TBLASTX:Maize
Start	8903	End	9673
GI	none	Score	71
Exons	8903..8977, 9057..9293, 9061..9234, 9080..9247, 9305..9376, 9505..9672, 9506..9673		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11734	Strand	-
Start	14628	End	16658
Name	OJ990822_38.9C02.C10.o3.tm	Method	TBLASTX:Maize
Start	9674	End	10748
GI	none	Score	211
Exons	9674..9829, 9686..9829, 10629..10748, 10643..10747		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11734	Strand	-
Start	14628	End	16658
Name	OJ990822_38.9C02.C10.o1.ts	Method	TBLASTX:Soybean
Start	9694	End	11031
GI	none	Score	198
Exons	9694..9828, 9695..9829, 10629..10733, 10728..10871, 10959..11030, 10960..11031		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11734	Strand	-
Start	14628	End	16658
Name	OJ990822_38.9C02.C10.o5.gs	Method	GENSCAN
Start	14628	End	16658
GI	none	Score	.8
Exons	14628..14702, 15030..15101, 15151..15462, 15499..15705, 15858..16064, 16593..16658		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11734	Strand	-
Start	14628	End	16658
Name	OJ990822_38.9C02.C10.o2.ts	Method	TBLASTX:Soybean
Start	15210	End	15614
GI	none	Score	254
Exons	15210..15338, 15211..15570, 15337..15564, 15576..15614		

Seq. No.	5587	Seq. ID	OJ990822_38.9C02.C10
Gene No.	11734	Strand	-
Start	14628	End	16658
Name	OJ990822_38.9C02.C10.o1.tm	Method	TBLASTX:Maize
Start	15211	End	15632
GI	none	Score	354
Exons	15211..15570, 15213..15569, 15572..15631, 15573..15632		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11735	Strand	+
Start	1	End	1984
Name	OJ990822_38.9C02.C11.o1.np	Method	AAT/NAP
Start	1	End	1984
GI	5852181	Score	142
Exons	1..30, 1666..1984		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11736	Strand	+
Start	3049	End	10677
Name	OJ990822_38.9C02.C11.o1.gs	Method	GENSCAN
Start	3049	End	10677
GI	none	Score	.79
Exons	3049..3154, 4457..5000, 5664..5867, 6093..6185, 7998..8175, 8228..10277, 10328..10677		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11736	Strand	+
Start	3049	End	10677
Name	OJ990822_38.9C02.C11.o2.np	Method	AAT/NAP
Start	8150	End	10248
GI	4680181	Score	575
Exons	8150..8536, 9507..9947, 10008..10248		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11737	Strand	+
Start	30796	End	31301
Name	OJ990822_38.9C02.C11.o6.gs	Method	GENSCAN

Start	30796	End	31301
GI	none	Score	.98
Exons	30796..30877, 31111..31301		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11738	Strand	+
Start	32263	End	33231
Name	OJ990822_38.9C02.C11.o5.np	Method	AAT/NAP
Start	32263	End	33228
GI	4689316	Score	1142
Exons	32263..33228		
GI Descrip.	(AF130973) peroxisomal targeting signal type 2 receptor [Arabidopsis thaliana]		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11738	Strand	+
Start	32263	End	33231
Name	OJ990822_38.9C02.C11.o7.gs	Method	GENSCAN
Start	32263	End	33231
GI	none	Score	1
Exons	32263..33231		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11739	Strand	+
Start	40640	End	42130
Name	OJ990822_38.9C02.C11.o8.np	Method	AAT/NAP
Start	40640	End	42130
GI	5042462	Score	64
Exons	40640..40676, 42039..42130		
GI Descrip.	(AC007789) putative negatively light-regulated protein [Oryza sativa]		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11740	Strand	+
Start	54563	End	60760
Name	OJ990822_38.9C02.C11.o5.gp	Method	AAT/GAP
Start	54404	End	55207
GI	45660_1.R1084	Score	1343
Exons	54404..54742, 54844..55207		
GI Descrip.	'3132310/dbj|BAA28170| 3.0e-79 (AB012228) phosphoenolpyruvate carboxylase [Zea mays]'		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11740	Strand	+
Start	54563	End	60760
Name	OJ990822_38.9C02.C11.o9.gs	Method	GENSCAN
Start	54563	End	60508
GI	none	Score	.96
Exons	54563..54742, 54844..55235, 55325..55409, 56111..56333, 56656..56759, 56848..56935, 57707..57861, 57945..58943, 59453..59839, 60215..60508		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11740	Strand	+
Start	54563	End	60760
Name	OJ990822_38.9C02.C11.o9.np	Method	AAT/NAP
Start	54587	End	60505

GI	3132310	Score	4508
Exons	54587..54742, 54844..55235, 55325..55409, 56111..56333, 56656..56759, 56848..56935, 57707..57861, 57945..58943, 59453..59839, 60215..60505		
GI Descrip.	(AB012228) phosphoenolpyruvate carboxylase [Zea mays]		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11740	Strand	+
Start	54563	End	60760
Name	OJ990822_38.9C02.C11.o6.gp	Method	AAT/GAP
Start	55347	End	56184
GI	uC-osflcyp098h08b1	Score	234
Exons	55347..55409, 56111..56184		
GI Descrip.	'115587/sp|P29195|CAP1_SORVU 6.0e-18 PHOSPHOENOLPYRUVATE CARBOXYLASE 1 (PEPCASE) (CP21) >gi_418801_pir__S31159 phosphoenolpyruvate carboxylase (EC 4.1.1.31) CP21 - sorghum >gi_21630_emb_CAA39197_ (X55664) phosphoenolpyruvate carboxylase [Sorghum bicolor] >gi_22615_emb_CAA46267_ (X65137) phosphoenolpyruvate carboxylase [Sorghum bicolor]'		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11740	Strand	+
Start	54563	End	60760
Name	OJ990822_38.9C02.C11.o7.gp	Method	AAT/GAP
Start	56645	End	58113
GI	uC-osroM202035g07b1	Score	955
Exons	56645..56759, 56848..56935, 57707..57861, 57945..58113		
GI Descrip.	'3132310/dbj|BAA28170| 4.0e-94 (AB012228) phosphoenolpyruvate carboxylase [Zea mays]'		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11740	Strand	+
Start	54563	End	60760
Name	OJ990822_38.9C02.C11.o8.gp	Method	AAT/GAP
Start	58556	End	60760
GI	13407_1.R1084	Score	2520
Exons	58556..58943, 59453..59839, 60215..60760		
GI Descrip.	'115587/sp|P29195|CAP1_SORVU 1.0e-178 PHOSPHOENOLPYRUVATE CARBOXYLASE 1 (PEPCASE) (CP21) >gi_418801_pir__S31159 phosphoenolpyruvate carboxylase (EC 4.1.1.31) CP21 - sorghum >gi_21630_emb_CAA39197_ (X55664) phosphoenolpyruvate carboxylase [Sorghum bicolor] >gi_22615_emb_CAA46267_ (X65137) phosphoenolpyruvate carboxylase [Sorghum bicolor]'		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11741	Strand	+
Start	63561	End	68109
Name	OJ990822_38.9C02.C11.o10.gs	Method	GENSCAN
Start	63561	End	68109
GI	none	Score	.57
Exons	63561..63585, 63643..63765, 64420..64497, 65189..65211, 66593..66785, 68015..68109		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11742	Strand	+
Start	69342	End	69556
Name	OJ990822_38.9C02.C11.o9.gp	Method	AAT/GAP

Start	69342	End	69556
GI	45849_1.R1084	Score	404
Exons	69342..69556		
GI Descrip.	'4115925 6.0e-21 (AF118222) contains similarity to RNA recognition motifs (Pfam: PF00076, Score=5.5e-23, N=2) [Arabidopsis thaliana] >gi_4539439_emb_CAB40027.1_ (AL049523) RNA-binding protein [Arabidopsis thaliana] >gi_4959384_gb_AAD34325.1_ (AF109721) RNA-binding protein [Arabidopsis thaliana]'		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11743	Strand	-
Start	7513	End	11317
Name	OJ990822_38.9C02.C11.o3.np	Method	AAT/NAP
Start	7513	End	11317
GI	6721547	Score	79
Exons	7513..7552, 11210..11317		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11744	Strand	-
Start	13257	End	19716
Name	OJ990822_38.9C02.C11.o4.np	Method	AAT/NAP
Start	12515	End	19716
GI	465445	Score	80
Exons	12515..12579, 13304..13585, 17817..17986, 19639..19716		
GI Descrip.	PROBABLE NUCLEAR ANTIGEN gi|418708|pir||B45344 probable nuclear antigen - suid herpesvirus 1 (strain Kaplan) gi|334072 (M34651) ORF-3 protein [Pseudorabies virus]		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11744	Strand	-
Start	13257	End	19716
Name	OJ990822_38.9C02.C11.o2.gs	Method	GENSCAN
Start	13257	End	15661
GI	none	Score	.81
Exons	13257..13486, 13673..13882, 15496..15661		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11744	Strand	-
Start	13257	End	19716
Name	OJ990822_38.9C02.C11.o2.gp	Method	AAT/GAP
Start	17119	End	17542
GI	LIB3477-003-P1-K1-E9	Score	132
Exons	17119..17207, 17510..17542		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11744	Strand	-
Start	13257	End	19716
Name	OJ990822_38.9C02.C11.o3.gs	Method	GENSCAN
Start	17362	End	18836
GI	none	Score	.71
Exons	17362..17890, 18032..18163, 18817..18836		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11745	Strand	-
Start	28679	End	29986
Name	OJ990822_38.9C02.C11.o5.gs	Method	GENSCAN
Start	28679	End	29986
GI	none	Score	.51
Exons	28679..29099, 29271..29364, 29809..29986		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11746	Strand	-
Start	39034	End	45433
Name	OJ990822_38.9C02.C11.o6.np	Method	AAT/NAP
Start	39034	End	45433
GI	2244914	Score	217
Exons	39034..39264, 39412..39580, 40804..41007, 41112..41418, 45410..45433		
GI Descrip.	(Z97339) splicing factor like protein [Arabidopsis thaliana]		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11746	Strand	-
Start	39034	End	45433
Name	OJ990822_38.9C02.C11.o3.gp	Method	AAT/GAP
Start	39982	End	40337
GI	426497	Score	691
Exons	39982..40337		
GI Descrip.	5032087/ref|NP_005868.1|pSF3A120| 9.0e-13 pre-mRNA splicing factor SF3a (120 kDa subunit), similar to S. cerevisiae PRP21 >gi_2498882_sp_Q15459_S114_HUMAN SPLICEOSOME ASSOCIATED PROTEIN 114 (SAP 114) (SF3A120) >gi_2146975_pir__S60735 splicing factor SF3a 120K chain - human >gi_899298_emb_CAA59494_ (X85237) human splicing factor [Homo sapiens] >gi_3212998_gb_AAC23435.1_ (AC004997) spliceos		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o9.tm	Method	TBLASTX:Maize
Start	8168	End	8359
GI	none	Score	205
Exons	8168..8359, 8212..8352		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o5.tm	Method	TBLASTX:Maize
Start	32271	End	32655
GI	none	Score	200
Exons	32271..32393, 32272..32397, 32436..32654, 32452..32655		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o2.tc	Method	TBLASTX:Cress
Start	32274	End	32895
GI	none	Score	121
Exons	32274..32390, 32275..32397, 32451..32570, 32452..32787, 32530..32766, 32622..32786, 32731..32895		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o2.ts	Method	TBLASTX:Soybean
Start	32572	End	33225
GI	none	Score	168
Exons	32572..32817, 32616..32813, 32665..32913, 32685..33224, 32686..33225, 32794..32952		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o6.tm	Method	TBLASTX:Maize
Start	32880	End	33211
GI	none	Score	65
Exons	32880..33158, 32883..32924, 32884..33159, 33038..33211		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o7.tm	Method	TBLASTX:Maize
Start	38808	End	39943
GI	none	Score	352
Exons	38808..38903, 38998..39309, 39002..39280, 39004..39309, 39411..39482, 39412..39474, 39556..39579, 39577..39660, 39579..39647, 39653..39703, 39654..39734, 39655..39708, 39729..39926, 39805..39930, 39920..39943		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o5.ts	Method	TBLASTX:Soybean
Start	38996	End	39448
GI	none	Score	233
Exons	38996..39280, 39004..39309, 39395..39448		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o4.tc	Method	TBLASTX:Cress
Start	39010	End	39474
GI	none	Score	129
Exons	39010..39225, 39011..39226, 39412..39474		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o3.ts	Method	TBLASTX:Soybean
Start	39831	End	40773
GI	none	Score	346
Exons	39831..40256, 39946..40374, 39947..40282, 40045..40344, 40345..40467, 40516..40773		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505

Name	OJ990822_38.9C02.C11.o3.tm	Method	TBLASTX:Maize
Start	39958	End	40407
GI	none	Score	393
Exons	39958..40407, 39959..40282, 40045..40404		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o3.tc	Method	TBLASTX:Cress
Start	40183	End	40467
GI	none	Score	100
Exons	40183..40386, 40184..40282, 40198..40386, 40387..40467		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o4.tm	Method	TBLASTX:Maize
Start	40491	End	40882
GI	none	Score	139
Exons	40491..40568, 40498..40617, 40504..40881, 40530..40664, 40727..40882		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o8.tm	Method	TBLASTX:Maize
Start	41200	End	41410
GI	none	Score	301
Exons	41200..41409, 41210..41410		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o4.ts	Method	TBLASTX:Soybean
Start	41203	End	41410
GI	none	Score	165
Exons	41203..41409, 41213..41410		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o2.tm	Method	TBLASTX:Maize
Start	54598	End	56209
GI	none	Score	220
Exons	54598..54744, 54599..54745, 54850..55029, 54922..55026, 54936..55034, 55020..55235, 55021..55236, 55105..55254, 55255..55410, 55323..55412, 55324..55404, 56108..56209, 56108..56209		

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o1.tc	Method	TBLASTX:Cress
Start	54604	End	60511
GI	none	Score	194
Exons	54604..54744, 54605..54754, 54850..55035, 54924..55034, 55021..55254, 55029..55235, 55309..55401, 55323..55412,		

56108..56335, 56108..56335, 56110..56337, 56648..56791,
56655..56762, 56671..56763, 56833..56922, 56847..56921,
56905..56934, 57704..57829, 57705..57854, 57705..57857,
57706..57867, 57941..58141, 57942..58142, 58115..58411,
58139..58627, 58140..58958, 58143..58940, 59452..59835,
59453..59839, 60209..60406, 60209..60382, 60388..60507,
60389..60511

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o1.ts	Method	TBLASTX:Soybean
Start	54605	End	60511
GI	none	Score	193

Exons 54605..54745, 54850..55254, 54924..55235, 55323..55412,
55330..55407, 56049..56105, 56108..56335, 56108..56335,
56110..56337, 56558..56761, 56655..56762, 56824..56916,
56847..56921, 56848..56916, 56916..56936, 57705..57857,
57706..57867, 57706..57861, 57942..58958, 57942..58943,
59425..59613, 59448..59816, 59452..59841, 59453..59842,
60209..60406, 60209..60352, 60286..60411, 60382..60507,
60389..60511

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o2.tw	Method	TBLASTX:Wheat
Start	55153	End	56273
GI	none	Score	142

Exons 55153..55236, 55155..55235, 55178..55249, 55312..55407,
55316..55378, 55323..55412, 55323..55418, 56108..56272,
56108..56272, 56109..56273

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o1.tm	Method	TBLASTX:Maize
Start	56211	End	60587
GI	none	Score	101

Exons 56211..56333, 56212..56334, 56213..56335, 56213..56335,
56214..56336, 56648..56761, 56655..56762, 56847..56933,
56848..56934, 57701..57829, 57705..57851, 57706..57867,
57706..57861, 57941..58624, 57942..58949, 57942..58943,
58670..58948, 59451..59543, 59452..59841, 59453..59842,
60194..60508, 60209..60508, 60561..60587

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505
Name	OJ990822_38.9C02.C11.o1.tw	Method	TBLASTX:Wheat
Start	59621	End	60256
GI	none	Score	294

Exons 59621..59842, 59627..59755, 59629..59841, 60209..60256

Seq. No.	5588	Seq. ID	OJ990822_38.9C02.C11
Gene No.	11747	Strand	-
Start	68590	End	69505

Name	OJ990822_38.9C02.C11.o11.gs	Method	GENSCAN
Start	68590	End	69505
GI	none	Score	.85
Exons	68590..68792, 69451..69505		

Seq. No.	5589	Seq. ID	OJ990822_38.9C02.C12
Gene No.	11748	Strand	-
Start	392	End	506
Name	OJ990822_38.9C02.C12.o1.gs	Method	GENSCAN
Start	392	End	506
GI	none	Score	.99
Exons	392..506		

Seq. No.	5590	Seq. ID	OJ990402_11.9C03.C1
Gene No.	11749	Strand	+
Start	258	End	836
Name	OJ990402_11.9C03.C1.o1.gs	Method	GENSCAN
Start	258	End	836
GI	none	Score	.45
Exons	258..836		

Seq. No.	5590	Seq. ID	OJ990402_11.9C03.C1
Gene No.	11750	Strand	-
Start	1	End	850
Name	OJ990402_11.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	850
GI	100484	Score	599
Exons	1..850		
GI Descrip.	hypothetical protein - garden snapdragon		

Seq. No.	5590	Seq. ID	OJ990402_11.9C03.C1
Gene No.	11750	Strand	-
Start	1	End	850
Name	OJ990402_11.9C03.C1.o1.tw	Method	TBLASTX:Wheat
Start	152	End	472
GI	none	Score	111
Exons	152..412, 206..472, 225..470		

Seq. No.	5590	Seq. ID	OJ990402_11.9C03.C1
Gene No.	11750	Strand	-
Start	1	End	850
Name	OJ990402_11.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	212	End	680
GI	none	Score	245
Exons	212..463, 212..529, 222..536, 521..679, 522..680, 522..680		

Seq. No.	5590	Seq. ID	OJ990402_11.9C03.C1
Gene No.	11750	Strand	-
Start	1	End	850
Name	OJ990402_11.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	257	End	601
GI	none	Score	81
Exons	257..478, 261..413, 500..601		

Seq. No.	5590	Seq. ID	OJ990402_11.9C03.C1
Gene No.	11750	Strand	-
Start	1	End	850

Name	OJ990402_11.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	338	End	736
GI	none	Score	81
Exons	338..469, 342..443, 500..613, 614..736		

Seq. No.	5590	Seq. ID	OJ990402_11.9C03.C1
Gene No.	11750	Strand	-
Start	1	End	850
Name	OJ990402_11.9C03.C1.o2.tw	Method	TBLASTX:Wheat
Start	500	End	763
GI	none	Score	145
Exons	500..601, 614..763		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o1.np	Method	AAT/NAP
Start	299	End	4412
GI	4206306	Score	1387
Exons	299..754, 951..2956, 3170..4412		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o1.gs	Method	GENSCAN
Start	352	End	10253
GI	none	Score	.47
Exons	352..535, 855..1667, 1686..1886, 1926..2193, 2430..3927, 3996..4275, 5431..6574, 6653..6733, 7082..7196, 7431..7545, 7832..8037, 8095..8241, 8332..8527, 8765..8967, 9430..9934, 10025..10253		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o5.ts	Method	TBLASTX:Soybean
Start	1094	End	1462
GI	none	Score	148
Exons	1094..1312, 1328..1462		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	1256	End	1665
GI	none	Score	615
Exons	1256..1663, 1264..1665, 1273..1596, 1382..1612, 1392..1664		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	1316	End	1531
GI	none	Score	302
Exons	1316..1531, 1318..1530, 1385..1531		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	1532	End	1993
GI	none	Score	609
Exons	1532..1993, 1534..1596, 1657..1992		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o2.ts	Method	TBLASTX:Soybean
Start	1679	End	2148
GI	none	Score	219
Exons	1679..1957, 1714..1917, 1961..2146, 2002..2148		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o3.tw	Method	TBLASTX:Wheat
Start	1682	End	2062
GI	none	Score	194
Exons	1682..1984, 1736..1825, 1961..2062		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	2299	End	2715
GI	none	Score	177
Exons	2299..2433, 2300..2443, 2300..2437, 2485..2715, 2598..2711		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	2345	End	2778
GI	none	Score	80
Exons	2345..2434, 2487..2693, 2488..2778		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o2.np	Method	AAT/NAP
Start	2746	End	3978
GI	4417307	Score	417
Exons	2746..3005, 3163..3978		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o5.tm	Method	TBLASTX:Maize
Start	3229	End	3582
GI	none	Score	225
Exons	3229..3582		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o4.tw	Method	TBLASTX:Wheat
Start	3271	End	3663
GI	none	Score	119
Exons	3271..3432, 3469..3582, 3610..3663		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o4.ts	Method	TBLASTX:Soybean
Start	3436	End	3831
GI	none	Score	230
Exons	3436..3831, 3469..3714, 3537..3725		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o3.ts	Method	TBLASTX:Soybean
Start	4173	End	4418
GI	none	Score	230
Exons	4173..4418, 4217..4303, 4379..4414		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o4.np	Method	AAT/NAP
Start	7933	End	10915
GI	6721515	Score	383
Exons	7933..8189, 8349..8652, 9336..9797, 10899..10915		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o3.np	Method	AAT/NAP
Start	8041	End	10116
GI	479357	Score	926
Exons	8041..8244, 8332..9843, 9998..10116		
GI Descrip.	hypothetical protein 612 - maize transposon MuA2 gi|22375|emb|CAA44165| (X62251) ORF [Zea mays]		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o6.tm	Method	TBLASTX:Maize
Start	8347	End	8643
GI	none	Score	43
Exons	8347..8382, 8392..8643, 8445..8624, 8507..8641		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	8680	End	9317

GI	none	Score	404
Exons	8680..8904, 8704..9054, 8708..8998, 8709..9050, 9045..9188, 9061..9183, 9180..9317, 9183..9314		

Seq. No.	5591	Seq. ID	OJ990402_11.9C03.C2
Gene No.	11751	Strand	+
Start	299	End	10915
Name	OJ990402_11.9C03.C2.o4.tm	Method	TBLASTX:Maize
Start	9321	End	9747
GI	none	Score	72
Exons	9321..9452, 9466..9561, 9553..9747, 9600..9746		

Seq. No.	5592	Seq. ID	OJ990402_11.9C03.C3
Gene No.	11752	Strand	+
Start	1013	End	1258
Name	OJ990402_11.9C03.C3.o1.gs	Method	GENSCAN
Start	1013	End	1258
GI	none	Score	.99
Exons	1013..1258		

Seq. No.	5593	Seq. ID	OJ990402_11.9C03.C4
Gene No.	11753	Strand	-
Start	997	End	1123
Name	OJ990402_11.9C03.C4.o1.gp	Method	AAT/GAP
Start	952	End	1123
GI	LIB3433-017-Q6-K1-B5	Score	322
Exons	952..1123		
GI Descrip.	'1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene'		

Seq. No.	5593	Seq. ID	OJ990402_11.9C03.C4
Gene No.	11753	Strand	-
Start	997	End	1123
Name	OJ990402_11.9C03.C4.o1.gs	Method	GENSCAN
Start	997	End	1122
GI	none	Score	.89
Exons	997..1122		

Seq. No.	5593	Seq. ID	OJ990402_11.9C03.C4
Gene No.	11754	Strand	-
Start	1034	End	2294
Name	OJ990402_11.9C03.C4.o1.np	Method	AAT/NAP
Start	1034	End	2294
GI	1780757	Score	71
Exons	1034..1128, 2179..2294		
GI Descrip.	(Y10291) highly expressed in proliferating cells [Arabidopsis thaliana] gi|6587807|gb|AAF18498.1|AC010924_11 (AC010924) Identical to gb|Y10291 GAG1 protein from Arabidopsis thaliana.		

Seq. No.	5594	Seq. ID	OJ990402_11.9C03.C5
Gene No.	11755	Strand	+
Start	1	End	692
Name	OJ990402_11.9C03.C5.o1.np	Method	AAT/NAP
Start	1	End	692
GI	6721512	Score	81
Exons	1..65, 263..374, 673..692		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5594	Seq. ID	OJ990402_11.9C03.C5
Gene No.	11755	Strand	+
Start	1	End	692
Name	OJ990402_11.9C03.C5.o1.gs	Method	GENSCAN
Start	220	End	533
GI	none	Score	.47
Exons	220..303, 425..533		

Seq. No.	5595	Seq. ID	OJ990402_11.9C03.C7
Gene No.	11756	Strand	+
Start	1	End	602
Name	OJ990402_11.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	602
GI	4335731	Score	323
Exons	1..602		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5595	Seq. ID	OJ990402_11.9C03.C7
Gene No.	11756	Strand	+
Start	1	End	602
Name	OJ990402_11.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	2	End	584
GI	none	Score	46
Exons	2..34, 39..152, 173..403, 178..234, 292..357, 401..472, 421..474, 531..584		

Seq. No.	5595	Seq. ID	OJ990402_11.9C03.C7
Gene No.	11756	Strand	+
Start	1	End	602
Name	OJ990402_11.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	41	End	466
GI	none	Score	108
Exons	41..154, 42..155, 60..188, 167..382, 169..360, 401..466		

Seq. No.	5595	Seq. ID	OJ990402_11.9C03.C7
Gene No.	11756	Strand	+
Start	1	End	602
Name	OJ990402_11.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	163	End	472
GI	none	Score	151
Exons	163..357, 164..382, 398..472		

Seq. No.	5596	Seq. ID	OJ990402_11.9C03.C8
Gene No.	11757	Strand	+
Start	1	End	530
Name	OJ990402_11.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	530
GI	100488	Score	298
Exons	1..530		
GI Descrip.	TNP2 protein - garden snapdragon		

Seq. No.	5596	Seq. ID	OJ990402_11.9C03.C8
Gene No.	11757	Strand	+
Start	1	End	530
Name	OJ990402_11.9C03.C8.o1.tm	Method	TBLASTX:Maize

Start	3	End	434
GI	none	Score	633
Exons	3..434, 3..431		

Seq. No.	5596	Seq. ID	OJ990402_11.9C03.C8
Gene No.	11757	Strand	+
Start	1	End	530
Name	OJ990402_11.9C03.C8.o1.gs	Method	GENSCAN
Start	36	End	339
GI	none	Score	.73
Exons	36..339		

Seq. No.	5597	Seq. ID	OJ990402_11.9C03.C9
Gene No.	11758	Strand	+
Start	325	End	4602
Name	OJ990402_11.9C03.C9.o1.gs	Method	GENSCAN
Start	325	End	4602
GI	none	Score	.51
Exons	325..412, 499..559, 629..1224, 1439..1531, 2938..3150, 3233..3325, 4216..4602		

Seq. No.	5597	Seq. ID	OJ990402_11.9C03.C9
Gene No.	11759	Strand	-
Start	5509	End	6449
Name	OJ990402_11.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	58	End	643
GI	none	Score	251
Exons	58..246, 60..245, 62..247, 63..251, 283..345, 316..411, 323..418, 323..415, 484..642, 495..641, 503..643		

Seq. No.	5597	Seq. ID	OJ990402_11.9C03.C9
Gene No.	11759	Strand	-
Start	5509	End	6449
Name	OJ990402_11.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	792	End	1287
GI	none	Score	151
Exons	792..1043, 792..1082, 793..1092, 794..1084, 1108..1272, 1125..1247, 1135..1287, 1163..1285		

Seq. No.	5597	Seq. ID	OJ990402_11.9C03.C9
Gene No.	11759	Strand	-
Start	5509	End	6449
Name	OJ990402_11.9C03.C9.o3.tm	Method	TBLASTX:Maize
Start	2932	End	3974
GI	none	Score	262
Exons	2932..3150, 2970..3152, 2970..3152, 3230..3316, 3233..3325, 3866..3973, 3867..3974		

Seq. No.	5597	Seq. ID	OJ990402_11.9C03.C9
Gene No.	11759	Strand	-
Start	5509	End	6449
Name	OJ990402_11.9C03.C9.o2.gs	Method	GENSCAN
Start	5509	End	6449
GI	none	Score	.52
Exons	5509..5559, 5624..5729, 5738..6023, 6077..6449		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10

Gene No.	11760	Strand	+
Start	6517	End	6732
Name	OJ990402_11.9C03.C10.o2.gs	Method	GENSCAN
Start	6517	End	6732
GI	none	Score	.92
Exons	6517..6732		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11761	Strand	+
Start	6800	End	10057
Name	OJ990402_11.9C03.C10.o2.np	Method	AAT/NAP
Start	6800	End	10057
GI	4335731	Score	1785
Exons	6800..7005, 7039..7755, 7786..10057		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11761	Strand	+
Start	6800	End	10057
Name	OJ990402_11.9C03.C10.o3.gs	Method	GENSCAN
Start	8052	End	9951
GI	none	Score	.68
Exons	8052..8450, 8713..8952, 9712..9951		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11762	Strand	-
Start	10798	End	14886
Name	OJ990402_11.9C03.C10.o4.gs	Method	GENSCAN
Start	10798	End	14061
GI	none	Score	.71
Exons	10798..11602, 11962..12114, 12734..12908, 13048..13258, 13613..13911, 13995..14061		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11762	Strand	-
Start	10798	End	14886
Name	OJ990402_11.9C03.C10.o3.np	Method	AAT/NAP
Start	10876	End	14886
GI	6862956	Score	430
Exons	10876..11665, 14855..14886		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11762	Strand	-
Start	10798	End	14886
Name	OJ990402_11.9C03.C10.o1.gp	Method	AAT/GAP
Start	14485	End	14671
GI	4107129	Score	297
Exons	14485..14671		
GI Descrip.	1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o2.tm	Method	TBLASTX:Maize

Start	7596	End	18197
GI	none	Score	358
Exons	7596..8231, 7733..7960, 18075..18197		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o1.ts	Method	TBLASTX:Soybean
Start	7770	End	18198
GI	none	Score	454
Exons	7770..8246, 7772..8143, 17889..18062, 18066..18197, 18067..18198		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o1.tc	Method	TBLASTX:Cress
Start	7785	End	18197
GI	none	Score	234
Exons	7785..8228, 7803..8234, 17865..18053, 18069..18197		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o1.tw	Method	TBLASTX:Wheat
Start	7839	End	18228
GI	none	Score	138
Exons	7839..7991, 8031..8171, 17485..17733, 17489..17668, 17559..17720, 17736..18197, 17737..18198, 17762..18199, 17770..18213, 18036..18200, 18181..18228		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o3.ts	Method	TBLASTX:Soybean
Start	8570	End	17565
GI	5509260	Score	77
Exons	8570..8671, 8677..9036, 8700..8813, 17112..17291, 17119..17565, 17309..17461		
GI Descrip.	-		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o2.tc	Method	TBLASTX:Cress
Start	8686	End	17472
GI	none	Score	207
Exons	8686..8910, 17212..17472		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o3.tw	Method	TBLASTX:Wheat
Start	8701	End	17415
GI	none	Score	264
Exons	8701..9045, 8707..8775, 8718..8831, 9265..9354, 16887..17063, 16918..17046, 17119..17415, 17138..17182, 17252..17413		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o5.tm	Method	TBLASTX:Maize
Start	8701	End	17424
GI	none	Score	285
Exons	8701..9105, 8772..9008, 17087..17179, 17119..17424, 17121..17273, 17215..17277, 17300..17416, 17352..17417		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o2.ts	Method	TBLASTX:Soybean
Start	9175	End	16745
GI	none	Score	174
Exons	9175..9345, 9186..9344, 9338..9460, 9342..9461, 9464..9598, 9467..9583, 9469..9606, 16560..16697, 16695..16745		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o3.tm	Method	TBLASTX:Maize
Start	9405	End	16541
GI	none	Score	85
Exons	9405..9464, 9464..9583, 9604..9834, 9609..9665, 9711..9788, 9832..9903, 9852..9905, 9962..10015, 16119..16235, 16293..16541		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o2.tw	Method	TBLASTX:Wheat
Start	9604	End	16679
GI	none	Score	151
Exons	9604..9813, 9609..9758, 16204..16590, 16206..16589, 16591..16674, 16605..16679, 16606..16674, 16610..16678		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o4.ts	Method	TBLASTX:Soybean
Start	9618	End	16526
GI	none	Score	254
Exons	9618..9758, 9619..9822, 9801..9902, 9802..9903, 9802..9927, 16332..16526		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o1.tm	Method	TBLASTX:Maize
Start	10984	End	11340
GI	none	Score	160
Exons	10984..11223, 10984..11340, 10985..11293		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o3.tc	Method	TBLASTX:Cress

Start	11068	End	11298
GI	none	Score	65
Exons	11068..11298, 11165..11293		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o4.tw	Method	TBLASTX:Wheat
Start	11179	End	11565
GI	none	Score	85
Exons	11179..11403, 11180..11272, 11407..11463, 11452..11565		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o5.tw	Method	TBLASTX:Wheat
Start	15577	End	15929
GI	none	Score	81
Exons	15577..15681, 15622..15681, 15708..15785, 15715..15783, 15745..15786, 15774..15854, 15785..15856, 15786..15848, 15787..15879, 15857..15928, 15858..15929		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o4.np	Method	AAT/NAP
Start	16068	End	18278
GI	6630696	Score	3398
Exons	16068..18278		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o5.gs	Method	GENSCAN
Start	16158	End	18205
GI	none	Score	.46
Exons	16158..16944, 17207..17747, 17849..18205		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o4.tm	Method	TBLASTX:Maize
Start	16543	End	16883
GI	none	Score	253
Exons	16543..16782, 16545..16883, 16546..16869		

Seq. No.	5598	Seq. ID	OJ990402_11.9C03.C10
Gene No.	11763	Strand	-
Start	16158	End	18278
Name	OJ990402_11.9C03.C10.o5.ts	Method	TBLASTX:Soybean
Start	16747	End	17034
GI	none	Score	48
Exons	16747..16872, 16761..16874, 16875..17033, 16906..17034		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11764	Strand	+
Start	3694	End	7701
Name	OJ990402_11.9C03.C11.o2.np	Method	AAT/NAP
Start	3694	End	7701
GI	4206306	Score	915
Exons	3694..3720, 4823..5112, 5452..6893, 6927..7152, 7684..7701		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11764	Strand	+
Start	3694	End	7701
Name	OJ990402_11.9C03.C11.o2.gs	Method	GENSCAN
Start	3784	End	6767
GI	none	Score	.73
Exons	3784..3943, 4698..5165, 5194..6767		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11765	Strand	-
Start	1	End	2027
Name	OJ990402_11.9C03.C11.o1.np	Method	AAT/NAP
Start	1	End	1922
GI	6630696	Score	3013
Exons	1..1922		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11765	Strand	-
Start	1	End	2027
Name	OJ990402_11.9C03.C11.o1.tw	Method	TBLASTX:Wheat
Start	84	End	488
GI	none	Score	180
Exons	84..266, 86..265, 238..480, 239..487, 240..488		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11765	Strand	-
Start	1	End	2027
Name	OJ990402_11.9C03.C11.o2.ts	Method	TBLASTX:Soybean
Start	122	End	343
GI	none	Score	100
Exons	122..343, 123..341		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11765	Strand	-
Start	1	End	2027
Name	OJ990402_11.9C03.C11.o3.tm	Method	TBLASTX:Maize
Start	131	End	595
GI	none	Score	71
Exons	131..595, 204..314		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11765	Strand	-
Start	1	End	2027
Name	OJ990402_11.9C03.C11.o4.ts	Method	TBLASTX:Soybean
Start	353	End	733

GI	none	Score	88
Exons	353..601, 584..733		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11765	Strand	-
Start	1	End	2027
Name	OJ990402_11.9C03.C11.o1.tm	Method	TBLASTX:Maize
Start	683	End	1067
GI	none	Score	249
Exons	683..745, 743..1063, 759..1067, 764..1063, 780..1064		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11765	Strand	-
Start	1	End	2027
Name	OJ990402_11.9C03.C11.o5.tm	Method	TBLASTX:Maize
Start	1575	End	1856
GI	none	Score	114
Exons	1575..1766, 1575..1856, 1637..1786, 1651..1833		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11765	Strand	-
Start	1	End	2027
Name	OJ990402_11.9C03.C11.o2.tw	Method	TBLASTX:Wheat
Start	1631	End	2027
GI	none	Score	165
Exons	1631..1813, 1632..1853, 1651..1842, 1893..2027		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11766	Strand	
Start	5537	End	6004
Name	OJ990402_11.9C03.C11.o4.tw	Method	TBLASTX:Wheat
Start	5537	End	5983
GI	none	Score	325
Exons	5537..5983, 5538..5972		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11766	Strand	
Start	5537	End	6004
Name	OJ990402_11.9C03.C11.o3.ts	Method	TBLASTX:Soybean
Start	5568	End	5933
GI	none	Score	126
Exons	5568..5786, 5790..5933		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11766	Strand	
Start	5537	End	6004
Name	OJ990402_11.9C03.C11.o4.tm	Method	TBLASTX:Maize
Start	5699	End	6004
GI	none	Score	288
Exons	5699..5884, 5700..6002, 5954..6004		

Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11767	Strand	
Start	6005	End	6680
Name	OJ990402_11.9C03.C11.o2.tm	Method	TBLASTX:Maize
Start	6005	End	6425
GI	none	Score	325

Exons	6005..6319, 6009..6425		
Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11767	Strand	
Start	6005	End	6680
Name	OJ990402_11.9C03.C11.o3.tw	Method	TBLASTX:Wheat
Start	6102	End	6518
GI	none	Score	330
Exons	6102..6518, 6149..6328, 6371..6517		
Seq. No.	5599	Seq. ID	OJ990402_11.9C03.C11
Gene No.	11767	Strand	
Start	6005	End	6680
Name	OJ990402_11.9C03.C11.o1.ts	Method	TBLASTX:Soybean
Start	6144	End	6680
GI	none	Score	368
Exons	6144..6623, 6200..6319, 6476..6607, 6603..6680		
Seq. No.	5600	Seq. ID	OJ990402_11.9C03.C12
Gene No.	11768	Strand	+
Start	1	End	3823
Name	OJ990402_11.9C03.C12.o1.np	Method	AAT/NAP
Start	1	End	3823
GI	4544372	Score	592
Exons	1..41, 1855..2772, 3505..3823		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	5600	Seq. ID	OJ990402_11.9C03.C12
Gene No.	11769	Strand	+
Start	8423	End	11138
Name	OJ990402_11.9C03.C12.o1.ts	Method	TBLASTX:Soybean
Start	2154	End	2523
GI	none	Score	70
Exons	2154..2252, 2248..2343, 2250..2504, 2251..2523		
Seq. No.	5600	Seq. ID	OJ990402_11.9C03.C12
Gene No.	11769	Strand	+
Start	8423	End	11138
Name	OJ990402_11.9C03.C12.o2.tw	Method	TBLASTX:Wheat
Start	2281	End	2646
GI	none	Score	177
Exons	2281..2646		
Seq. No.	5600	Seq. ID	OJ990402_11.9C03.C12
Gene No.	11769	Strand	+
Start	8423	End	11138
Name	OJ990402_11.9C03.C12.o1.tw	Method	TBLASTX:Wheat
Start	2671	End	3808
GI	none	Score	59
Exons	2671..2778, 2672..2788, 2683..2793, 3519..3734, 3520..3741, 3568..3735, 3739..3807, 3740..3808		
Seq. No.	5600	Seq. ID	OJ990402_11.9C03.C12
Gene No.	11769	Strand	+
Start	8423	End	11138
Name	OJ990402_11.9C03.C12.o2.np	Method	AAT/NAP

Start	8423	End	11138
GI	5042463	Score	133
Exons	8423..8579, 10182..10391, 11051..11138		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	5601	Seq. ID	OJ990402_11.9C03.C13
Gene No.	11770	Strand	+
Start	7124	End	10115
Name	OJ990402_11.9C03.C13.o2.gs	Method	GENSCAN
Start	7124	End	10115
GI	none	Score	.51
Exons	7124..7232, 7317..7600, 9336..10115		

Seq. No.	5601	Seq. ID	OJ990402_11.9C03.C13
Gene No.	11771	Strand	+
Start	10185	End	10323
Name	OJ990402_11.9C03.C13.o1.gp	Method	AAT/GAP
Start	10185	End	10323
GI	LIB3432-008-P1-K1-F11	Score	127
Exons	10185..10210, 10241..10323		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5601	Seq. ID	OJ990402_11.9C03.C13
Gene No.	11772	Strand	+
Start	12993	End	14984
Name	OJ990402_11.9C03.C13.o3.gs	Method	GENSCAN
Start	12993	End	14984
GI	none	Score	.8
Exons	12993..13013, 13497..14984		

Seq. No.	5601	Seq. ID	OJ990402_11.9C03.C13
Gene No.	11773	Strand	+
Start	15077	End	15167
Name	OJ990402_11.9C03.C13.o2.gp	Method	AAT/GAP
Start	15077	End	15167
GI	2721_1.R1084	Score	106
Exons	15077..15167		
GI Descrip.	'114622/sp|P12087|ATPF_ORYSA 1.0e-20 ATP SYNTHASE B CHAIN (SUBUNIT I) >gi_67929_pir__LWRZ1 H+-transporting ATP synthase (EC 3.6.1.34) chain I - rice chloroplast >gi_669080_emb_CAA33992_ (X15901) ATPase I subunit [Oryza sativa] >gi_226695_prf__1603356W ATPase I [Oryza sativa]'		

Seq. No.	5601	Seq. ID	OJ990402_11.9C03.C13
Gene No.	11774	Strand	-
Start	1976	End	6892
Name	OJ990402_11.9C03.C13.o1.np	Method	AAT/NAP
Start	1976	End	6892
GI	6815052	Score	2018
Exons	1976..2094, 2672..2746, 2828..3562, 3611..3755, 4536..4628, 5492..5591, 5889..6006, 6583..6657, 6739..6892		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	5601	Seq. ID	OJ990402_11.9C03.C13
Gene No.	11775	Strand	-
Start	8874	End	11616

Name	OJ990402_11.9C03.C13.o2.np	Method	AAT/NAP
Start	8874	End	11616
GI	6539570	Score	176
Exons	8874..9021, 9656..10093, 10359..10381, 11166..11232, 11413..11616		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	5601	Seq. ID	OJ990402_11.9C03.C13
Gene No.	11776	Strand	-
Start	11743	End	14810
Name	OJ990402_11.9C03.C13.o1.tw	Method	TBLASTX:Wheat
Start	3816	End	4309
GI	none	Score	90
Exons	3816..3911, 3905..4105, 4126..4278, 4130..4309		

Seq. No.	5601	Seq. ID	OJ990402_11.9C03.C13
Gene No.	11776	Strand	-
Start	11743	End	14810
Name	OJ990402_11.9C03.C13.o1.ts	Method	TBLASTX:Soybean
Start	3917	End	4291
GI	none	Score	107
Exons	3917..4111, 4106..4291		

Seq. No.	5601	Seq. ID	OJ990402_11.9C03.C13
Gene No.	11776	Strand	-
Start	11743	End	14810
Name	OJ990402_11.9C03.C13.o3.np	Method	AAT/NAP
Start	11743	End	14810
GI	6630699	Score	67
Exons	11743..11832, 14358..14418, 14633..14810		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11777	Strand	+
Start	790	End	5592
Name	OJ990402_11.9C03.C15.o1.gs	Method	GENSCAN
Start	790	End	5592
GI	none	Score	.48
Exons	790..895, 1260..1393, 2294..2578, 3444..3604, 4227..4305, 4756..4790, 4889..5093, 5378..5592		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11777	Strand	+
Start	790	End	5592
Name	OJ990402_11.9C03.C15.o1.np	Method	AAT/NAP
Start	3396	End	3604
GI	2129709	Score	52
Exons	3396..3604		
GI Descrip.	reverse transcriptase - Arabidopsis thaliana retrotransposon Ta11-1 gi|976278 (L47193) reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11778	Strand	+
Start	6965	End	13242

Name	OJ990402_11.9C03.C15.o2.gs	Method	GENSCAN
Start	6965	End	13242
GI	none	Score	.68
Exons	6965..8635, 8860..9323, 9718..9845, 13124..13242		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11779	Strand	+
Start	18778	End	19940
Name	OJ990402_11.9C03.C15.o4.gs	Method	GENSCAN
Start	18778	End	19940
GI	none	Score	.75
Exons	18778..18916, 19470..19549, 19682..19710, 19778..19940		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11780	Strand	+
Start	23934	End	25346
Name	OJ990402_11.9C03.C15.o5.gs	Method	GENSCAN
Start	23934	End	25346
GI	none	Score	.51
Exons	23934..24023, 24080..24164, 24391..24554, 25314..25346		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11781	Strand	+
Start	26711	End	27184
Name	OJ990402_11.9C03.C15.o7.gs	Method	GENSCAN
Start	26711	End	27184
GI	none	Score	.81
Exons	26711..27184		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11782	Strand	+
Start	27875	End	29335
Name	OJ990402_11.9C03.C15.o8.gs	Method	GENSCAN
Start	27875	End	29335
GI	none	Score	.96
Exons	27875..28048, 28622..28692, 28816..29050, 29132..29335		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11782	Strand	+
Start	27875	End	29335
Name	OJ990402_11.9C03.C15.o4.gp	Method	AAT/GAP
Start	27947	End	29207
GI	none	Score	977
Exons	27947..28048, 28622..28692, 28816..29207		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11783	Strand	+
Start	29297	End	29571
Name	OJ990402_11.9C03.C15.o5.gp	Method	AAT/GAP
Start	29297	End	29571
GI	3760533	Score	480
Exons	29297..29571		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11784	Strand	-
Start	15874	End	18869
Name	OJ990402_11.9C03.C15.o3.gs	Method	GENSCAN

Start	15874	End	16871
GI	none	Score	.9
Exons	15874..16013, 16186..16710, 16787..16871		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11784	Strand	-
Start	15874	End	18869
Name	OJ990402_11.9C03.C15.o2.np	Method	AAT/NAP
Start	15883	End	18869
GI	1724110	Score	1128
Exons	15883..16082, 16186..16853, 17291..17404, 18769..18869		
GI Descrip.	(U79770) cinnamyl-alcohol dehydrogenase Eli3 [Mesembryanthemum crystallinum]		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11785	Strand	-
Start	20914	End	21577
Name	OJ990402_11.9C03.C15.o1.gp	Method	AAT/GAP
Start	20914	End	21577
GI	uC-osrocyp010b12b1	Score	831
Exons	20914..21201, 21393..21577		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 3.0e-94 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11786	Strand	-
Start	21870	End	22407
Name	OJ990402_11.9C03.C15.o2.gp	Method	AAT/GAP
Start	21870	End	22407
GI	none	Score	1022
Exons	21870..22407		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11787	Strand	-
Start	25749	End	26384
Name	OJ990402_11.9C03.C15.o6.gs	Method	GENSCAN
Start	25749	End	26384
GI	none	Score	.89
Exons	25749..26384		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11788	Strand	-
Start	27430	End	27690
Name	OJ990402_11.9C03.C15.o2.tw	Method	TBLASTX:Wheat
Start	7052	End	7515
GI	none	Score	272
Exons	7052..7321, 7064..7327, 7213..7326, 7326..7412, 7331..7510, 7340..7492, 7351..7515		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11788	Strand	-
Start	27430	End	27690
Name	OJ990402_11.9C03.C15.o2.ts	Method	TBLASTX:Soybean
Start	7103	End	7522
GI	none	Score	171
Exons	7103..7372, 7160..7372, 7364..7522		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11788	Strand	-
Start	27430	End	27690
Name	OJ990402_11.9C03.C15.o4.tm	Method	TBLASTX:Maize
Start	7291	End	7525
GI	none	Score	189
Exons	7291..7425, 7292..7525, 7319..7519		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11788	Strand	-
Start	27430	End	27690
Name	OJ990402_11.9C03.C15.o2.tm	Method	TBLASTX:Maize
Start	14345	End	14697
GI	none	Score	156
Exons	14345..14527, 14346..14531, 14527..14577, 14581..14613, 14620..14697		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11788	Strand	-
Start	27430	End	27690
Name	OJ990402_11.9C03.C15.o1.tc	Method	TBLASTX:Cress
Start	15866	End	17413
GI	none	Score	175
Exons	15866..16084, 15889..16077, 16182..16475, 16190..16852, 16454..16594, 16509..16853, 17290..17406, 17291..17413		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11788	Strand	-
Start	27430	End	27690
Name	OJ990402_11.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	15883	End	17413
GI	none	Score	248
Exons	15883..16089, 15890..16081, 16187..16387, 16190..16852, 16194..16850, 16781..16852, 17290..17409, 17291..17413		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11788	Strand	-
Start	27430	End	27690
Name	OJ990402_11.9C03.C15.o1.tw	Method	TBLASTX:Wheat
Start	15883	End	16696
GI	none	Score	271
Exons	15883..16089, 15893..16090, 16187..16696, 16188..16475, 16454..16615, 16509..16688		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11788	Strand	-
Start	27430	End	27690
Name	OJ990402_11.9C03.C15.o1.ts	Method	TBLASTX:Soybean
Start	15895	End	17407
GI	none	Score	134
Exons	15895..16089, 15908..16066, 16172..16852, 16188..16475, 16509..16853, 17289..17375, 17290..17406, 17291..17407		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11788	Strand	-
Start	27430	End	27690
Name	OJ990402_11.9C03.C15.o3.gp	Method	AAT/GAP

Start	27430	End	27690
GI	none	Score	483
Exons	27430..27690		

Seq. No.	5602	Seq. ID	OJ990402_11.9C03.C15
Gene No.	11789	Strand	
Start	28615	End	29215
Name	OJ990402_11.9C03.C15.o3.tm	Method	TBLASTX:Maize
Start	28615	End	29215
GI	none	Score	85
Exons	28615..28704, 28621..28692, 28799..29050, 28813..29049, 28860..29063, 28939..29052, 29123..29215		

Seq. No.	5603	Seq. ID	OJ990402_11.9C03.C17
Gene No.	11790	Strand	-
Start	1	End	564
Name	OJ990402_11.9C03.C17.o1.np	Method	AAT/NAP
Start	1	End	564
GI	4335731	Score	463
Exons	1..564		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5603	Seq. ID	OJ990402_11.9C03.C17
Gene No.	11790	Strand	-
Start	1	End	564
Name	OJ990402_11.9C03.C17.o1.tm	Method	TBLASTX:Maize
Start	11	End	415
GI	none	Score	76
Exons	11..415, 108..344		

Seq. No.	5603	Seq. ID	OJ990402_11.9C03.C17
Gene No.	11790	Strand	-
Start	1	End	564
Name	OJ990402_11.9C03.C17.o1.ts	Method	TBLASTX:Soybean
Start	80	End	546
GI	5509260	Score	81
Exons	80..439, 303..416, 445..546		
GI Descrip.	-		

Seq. No.	5603	Seq. ID	OJ990402_11.9C03.C17
Gene No.	11790	Strand	-
Start	1	End	564
Name	OJ990402_11.9C03.C17.o1.tw	Method	TBLASTX:Wheat
Start	107	End	543
GI	none	Score	53
Exons	107..418, 108..266, 303..434, 475..543		

Seq. No.	5603	Seq. ID	OJ990402_11.9C03.C17
Gene No.	11790	Strand	-
Start	1	End	564
Name	OJ990402_11.9C03.C17.o1.tc	Method	TBLASTX:Cress
Start	206	End	430
GI	none	Score	58
Exons	206..430, 231..398		

Seq. No.	5604	Seq. ID	OJ990402_11.9C03.C18

Gene No.	11791	Strand	-
Start	1	End	1608
Name	OJ990402_11.9C03.C18.o1.np	Method	AAT/NAP
Start	1	End	1608
GI	6503300	Score	611
Exons	1..521, 1274..1391, 1432..1608		
GI Descrip.	(AC011713) Contains PF|01535 Domain of unknown function. [Arabidopsis thaliana]		

Seq. No.	5604	Seq. ID	OJ990402_11.9C03.C18
Gene No.	11791	Strand	-
Start	1	End	1608
Name	OJ990402_11.9C03.C18.o1.gs	Method	GENSCAN
Start	215	End	1381
GI	none	Score	.67
Exons	215..521, 788..1008, 1274..1381		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11792	Strand	+
Start	1	End	2616
Name	OJ990402_11.9C03.C19.o3.np	Method	AAT/NAP
Start	1	End	1749
GI	6907087	Score	139
Exons	1..30, 1648..1749		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11792	Strand	+
Start	1	End	2616
Name	OJ990402_11.9C03.C19.o1.np	Method	AAT/NAP
Start	230	End	347
GI	6721512	Score	75
Exons	230..347		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11792	Strand	+
Start	1	End	2616
Name	OJ990402_11.9C03.C19.o1.gs	Method	GENSCAN
Start	1150	End	1453
GI	none	Score	.7
Exons	1150..1278, 1449..1453		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11792	Strand	+
Start	1	End	2616
Name	OJ990402_11.9C03.C19.o2.np	Method	AAT/NAP
Start	1179	End	2616
GI	6721558	Score	114
Exons	1179..1309, 2577..2616		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19

Gene No.	11792	Strand	+
Start	1	End	2616
Name	OJ990402_11.9C03.C19.o1.gp	Method	AAT/GAP
Start	2213	End	2594
GI	uC-osflcyp033a04b1	Score	643
Exons	2213..2594		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11793	Strand	+
Start	4336	End	7178
Name	OJ990402_11.9C03.C19.o6.np	Method	AAT/NAP
Start	4336	End	7178
GI	6721512	Score	84
Exons	4336..4406, 5188..5324, 7131..7178		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11793	Strand	+
Start	4336	End	7178
Name	OJ990402_11.9C03.C19.o2.gp	Method	AAT/GAP
Start	6556	End	6771
GI	LIB3433-017-Q6-K1-B5	Score	354
Exons	6556..6771		
GI Descrip.	'1330273/dbj|D85055|RICSINE11 2.0e-18 Rice retroposon p-SINE1-r31 gene'		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11793	Strand	+
Start	4336	End	7178
Name	OJ990402_11.9C03.C19.o7.np	Method	AAT/NAP
Start	6603	End	6863
GI	1780757	Score	151
Exons	6603..6863		
GI Descrip.	(Y10291) highly expressed in proliferating cells [Arabidopsis thaliana] gi|6587807|gb|AAF18498.1|AC010924_11 (AC010924) Identical to gb|Y10291 GAG1 protein from Arabidopsis thaliana.		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11793	Strand	+
Start	4336	End	7178
Name	OJ990402_11.9C03.C19.o4.gs	Method	GENSCAN
Start	6624	End	6771
GI	none	Score	.93
Exons	6624..6771		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11794	Strand	-
Start	1642	End	7178
Name	OJ990402_11.9C03.C19.o2.gs	Method	GENSCAN
Start	1642	End	4058
GI	none	Score	.68
Exons	1642..1748, 2193..2346, 3262..3497, 3740..4058		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11794	Strand	-

Start	1642	End	7178
Name	OJ990402_11.9C03.C19.o4.np	Method	AAT/NAP
Start	2141	End	7178
GI	4680186	Score	310
Exons	2141..2346, 3185..3240, 7112..7178		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11794	Strand	-
Start	1642	End	7178
Name	OJ990402_11.9C03.C19.o5.np	Method	AAT/NAP
Start	2154	End	4418
GI	6721562	Score	412
Exons	2154..2189, 3298..3841, 4080..4418		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11794	Strand	-
Start	1642	End	7178
Name	OJ990402_11.9C03.C19.o1.tw	Method	TBLASTX:Wheat
Start	3301	End	3699
GI	none	Score	260
Exons	3301..3699		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11794	Strand	-
Start	1642	End	7178
Name	OJ990402_11.9C03.C19.o1.tm	Method	TBLASTX:Maize
Start	3463	End	3702
GI	none	Score	192
Exons	3463..3702		

Seq. No.	5605	Seq. ID	OJ990402_11.9C03.C19
Gene No.	11794	Strand	-
Start	1642	End	7178
Name	OJ990402_11.9C03.C19.o3.gs	Method	GENSCAN
Start	4585	End	5277
GI	none	Score	.97
Exons	4585..5277		

Seq. No.	5606	Seq. ID	OJ990722_11.9C01.C2
Gene No.	11795	Strand	+
Start	4383	End	4789
Name	OJ990722_11.9C01.C2.o1.gp	Method	AAT/GAP
Start	4383	End	4789
GI	none	Score	801
Exons	4383..4789		

Seq. No.	5606	Seq. ID	OJ990722_11.9C01.C2
Gene No.	11796	Strand	-
Start	3866	End	4268
Name	OJ990722_11.9C01.C2.o2.gs	Method	GENSCAN
Start	3866	End	4268

GI	none	Score	.47
Exons	3866..4034, 4222..4268		

Seq. No.	5606	Seq. ID	OJ990722_11.9C01.C2
Gene No.	11797	Strand	-
Start	6971	End	11300
Name	OJ990722_11.9C01.C2.o3.gs	Method	GENSCAN
Start	6971	End	11300
GI	none	Score	.97
Exons	6971..7453, 9037..9290, 11192..11300		

Seq. No.	5606	Seq. ID	OJ990722_11.9C01.C2
Gene No.	11798	Strand	-
Start	13237	End	14150
Name	OJ990722_11.9C01.C2.o4.gs	Method	GENSCAN
Start	13237	End	14150
GI	none	Score	.79
Exons	13237..13373, 13777..13929, 13988..14150		

Seq. No.	5606	Seq. ID	OJ990722_11.9C01.C2
Gene No.	11799	Strand	-
Start	14486	End	15901
Name	OJ990722_11.9C01.C2.o5.gs	Method	GENSCAN
Start	14486	End	15901
GI	none	Score	.65
Exons	14486..14763, 14859..15029, 15091..15186, 15877..15901		

Seq. No.	5606	Seq. ID	OJ990722_11.9C01.C2
Gene No.	11800	Strand	-
Start	17008	End	21085
Name	OJ990722_11.9C01.C2.o6.gs	Method	GENSCAN
Start	17008	End	21085
GI	none	Score	.62
Exons	17008..17089, 20521..20568, 20990..21085		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11801	Strand	+
Start	1	End	3613
Name	OJ990722_11.9C01.C3.o1.np	Method	AAT/NAP
Start	1	End	3613
GI	5777623	Score	1018
Exons	1..275, 455..974, 1786..2045, 3489..3613		
GI Descrip.	(AJ245900) CAA303711.1 protein [Oryza sativa]		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11801	Strand	+
Start	1	End	3613
Name	OJ990722_11.9C01.C3.o1.gp	Method	AAT/GAP
Start	2659	End	3149
GI	38782_1.R1084	Score	784
Exons	2659..3149		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11802	Strand	+
Start	6988	End	17868

Name	OJ990722_11.9C01.C3.o3.np	Method	AAT/NAP
Start	6988	End	10257
GI	5922620	Score	538
Exons	6988..7164, 7210..7234, 8026..8059, 8462..8764, 10033..10257		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016853|dbj|BAA85196.1| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11802	Strand	+
Start	6988	End	17868
Name	OJ990722_11.9C01.C3.o4.np	Method	AAT/NAP
Start	7590	End	17868
GI	5852180	Score	518
Exons	7590..7673, 11139..11220, 12203..12339, 12393..12796, 17794..17868		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11802	Strand	+
Start	6988	End	17868
Name	OJ990722_11.9C01.C3.o2.gs	Method	GENSCAN
Start	10013	End	16866
GI	none	Score	.51
Exons	10013..10126, 11317..11470, 12564..12697, 13850..14120, 16144..16180, 16251..16386, 16756..16866		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11803	Strand	-
Start	478	End	8248
Name	OJ990722_11.9C01.C3.o1.gs	Method	GENSCAN
Start	478	End	8248
GI	none	Score	.45
Exons	478..932, 1470..1603, 1903..2000, 2176..2436, 2763..2830, 3608..3649, 3827..3961, 4362..4449, 4743..4821, 4826..4970, 6270..6290, 7574..7646, 7682..8248		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11803	Strand	-
Start	478	End	8248
Name	OJ990722_11.9C01.C3.o2.np	Method	AAT/NAP
Start	1928	End	5307
GI	4680186	Score	210
Exons	1928..2350, 2849..2916, 3594..3745, 5278..5307		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11804	Strand	-
Start	11069	End	11450
Name	OJ990722_11.9C01.C3.o3.gp	Method	AAT/GAP
Start	11069	End	11450
GI	uC-osf1cyp033a04b1	Score	675
Exons	11069..11450		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11805	Strand	-
Start	13511	End	13628
Name	OJ990722_11.9C01.C3.o5.gp	Method	AAT/GAP
Start	13511	End	13628
GI	LIB3479-006-Q6-K1-B11	Score	160
Exons	13511..13628		
GI Descrip.	'5734616/dbj|AP000391.1|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11806	Strand	-
Start	13548	End	13630
Name	OJ990722_11.9C01.C3.o5.np	Method	AAT/NAP
Start	13548	End	13630
GI	6630699	Score	82
Exons	13548..13630		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o6.gp	Method	AAT/GAP
Start	16943	End	18332
GI	15539_1.R1084	Score	2565
Exons	16943..18171, 18253..18332		
GI Descrip.	'1706958 1.0e-98 (U58284) cellulose synthase [Gossypium hirsutum]'		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o1.tm	Method	TBLASTX:Maize
Start	17485	End	21804
GI	none	Score	40
Exons	17485..17511, 17485..17514, 17584..18174, 17591..18172, 17855..18187, 18245..18439, 18247..18606, 18253..18606, 18684..18884, 18687..18890, 18688..18906, 18691..18885, 18722..18898, 18967..19260, 18971..19027, 18972..19085, 19139..19279, 19139..19279, 19343..19561, 19345..19560, 19350..19565, 19517..19564, 19654..19785, 19658..19786, 19658..19786, 19659..19787, 19660..19788, 19850..20020, 19857..20021, 19866..20024, 19879..20025, 20099..20452, 20099..20452, 20104..20454, 20503..20811, 20528..20716, 20536..20802, 21482..21607, 21495..21608, 21547..21609, 21574..21612, 21698..21766, 21699..21737, 21756..21803, 21769..21804		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o1.tc	Method	TBLASTX:Cress
Start	17568	End	21563
GI	none	Score	353

Exons	17568..17750, 17593..17946, 17603..17917, 17739..17939, 17930..18160, 17938..18174, 17943..18152, 17951..18169, 17968..18177, 18239..18604, 18241..18609, 18242..18604, 18681..18830, 18684..18887, 18688..18888, 19159..19278, 19166..19279, 19167..19280, 19337..19561, 19345..19560, 19371..19565, 19652..19789, 19654..19785, 19655..19786, 19845..20021, 19866..20024, 19867..20025, 20099..20452, 20104..20454, 20536..20799, 20551..20772, 21503..21562, 21507..21563		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o3.gs	Method	GENSCAN
Start	17587	End	21763
GI	none	Score	.83
Exons	17587..18171, 18457..18603, 18687..18883, 18973..19091, 19119..19261, 19348..19560, 19881..20018, 20143..20449, 20537..20803, 21438..21606, 21697..21763		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o6.np	Method	AAT/NAP
Start	17587	End	21821
GI	4417271	Score	3478
Exons	17587..18171, 18253..18603, 18687..18871, 18960..19261, 19348..19560, 19660..19785, 19881..20018, 20104..20449, 20537..20841, 21455..21606, 21697..21821		
GI Descrip.	(AC007019) putative cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o1.ts	Method	TBLASTX:Soybean
Start	17590	End	19258
GI	none	Score	487
Exons	17590..17628, 17629..18174, 17645..18169, 17657..18187, 18239..18601, 18245..18439, 18247..18603, 18247..18606, 18684..18884, 18685..18888, 19139..19228, 19155..19235, 19167..19229, 19211..19258		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o2.tw	Method	TBLASTX:Wheat
Start	17710	End	18115
GI	none	Score	200
Exons	17710..17943, 17711..17923, 17713..17946, 17938..18114, 17951..18115		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o4.tw	Method	TBLASTX:Wheat
Start	18205	End	18412

GI	none	Score	153
Exons	18205..18411, 18245..18409, 18254..18412		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o7.gp	Method	AAT/GAP
Start	18388	End	18781
GI	uC-osroM202033f11b1	Score	582
Exons	18388..18603, 18687..18781		
GI Descrip.	'2827141 2.0e-52 (AF027173) cellulose synthase catalytic subunit [Arabidopsis thaliana] >gi_4914447_emb_CAB43650.1_ (AL050351) cellulose synthase catalytic subunit (Ath-A) [Arabidopsis thaliana]'		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o8.gp	Method	AAT/GAP
Start	18767	End	19407
GI	59965_1.R1084	Score	850
Exons	18767..18883, 18973..19261, 19348..19407		
GI Descrip.	'2827141 1.0e-33 (AF027173) cellulose synthase catalytic subunit [Arabidopsis thaliana] >gi_4914447_emb_CAB43650.1_ (AL050351) cellulose synthase catalytic subunit (Ath-A) [Arabidopsis thaliana]'		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o3.tw	Method	TBLASTX:Wheat
Start	18820	End	19247
GI	none	Score	95
Exons	18820..18912, 18822..18887, 18963..19043, 18967..19116, 18971..19024, 18987..19100, 19105..19245, 19139..19246, 19161..19247		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o2.ts	Method	TBLASTX:Soybean
Start	19343	End	20676
GI	none	Score	202
Exons	19343..19558, 19345..19560, 19348..19566, 19654..19785, 19660..19773, 19664..19786, 19845..20021, 19872..20024, 19879..20025, 20099..20452, 20099..20452, 20104..20454, 20536..20676, 20537..20674, 20545..20676		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o5.tw	Method	TBLASTX:Wheat
Start	19343	End	19560
GI	none	Score	49
Exons	19343..19426, 19345..19440, 19450..19485, 19450..19560		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3

Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o9.gp	Method	AAT/GAP
Start	19647	End	20803
GI	28113_1.R1084	Score	1457
Exons	19647..19785, 19881..20018, 20104..20449, 20537..20803		
GI Descrip.	'2827141 1.0e-179 (AF027173) cellulose synthase catalytic subunit [Arabidopsis thaliana] >gi_4914447_emb_CAB43650.1_ (AL050351) cellulose synthase catalytic subunit (Ath-A) [Arabidopsis thaliana]'		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o1.tw	Method	TBLASTX:Wheat
Start	19663	End	20253
GI	none	Score	132
Exons	19663..19785, 19664..19786, 19854..20021, 19867..20025, 19872..20024, 20099..20230, 20104..20253		

Seq. No.	5607	Seq. ID	OJ990722_11.9C01.C3
Gene No.	11807	Strand	-
Start	16943	End	21821
Name	OJ990722_11.9C01.C3.o10.gp	Method	AAT/GAP
Start	20281	End	21491
GI	28113_1.R1084	Score	916
Exons	20281..20449, 20537..20803, 21438..21491		
GI Descrip.	'2827141 1.0e-179 (AF027173) cellulose synthase catalytic subunit [Arabidopsis thaliana] >gi_4914447_emb_CAB43650.1_ (AL050351) cellulose synthase catalytic subunit (Ath-A) [Arabidopsis thaliana]'		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11808	Strand	+
Start	310	End	444
Name	OJ990722_11.9C01.C4.o1.gs	Method	GENSCAN
Start	310	End	444
GI	none	Score	.98
Exons	310..444		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11809	Strand	+
Start	10242	End	10998
Name	OJ990722_11.9C01.C4.o4.gs	Method	GENSCAN
Start	10242	End	10998
GI	none	Score	.61
Exons	10242..10325, 10467..10626, 10679..10998		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11810	Strand	+
Start	19134	End	19450
Name	OJ990722_11.9C01.C4.o6.gs	Method	GENSCAN
Start	19134	End	19450
GI	none	Score	.66
Exons	19134..19293, 19326..19450		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4

Gene No.	11811	Strand	+
Start	29911	End	30282
Name	OJ990722_11.9C01.C4.o8.gs	Method	GENSCAN
Start	29911	End	30282
GI	none	Score	.78
Exons	29911..30015, 30094..30282		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11812	Strand	-
Start	4861	End	8011
Name	OJ990722_11.9C01.C4.o3.gs	Method	GENSCAN
Start	4861	End	8011
GI	none	Score	.62
Exons	4861..5064, 5601..5794, 5942..6050, 6947..7045, 7943..8011		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11813	Strand	-
Start	11491	End	18375
Name	OJ990722_11.9C01.C4.o5.gs	Method	GENSCAN
Start	11491	End	18265
GI	none	Score	.58
Exons	11491..11681, 11883..12082, 12118..12222, 15443..15505, 15800..15859, 16411..16529, 17498..17716, 17954..17983, 18074..18265		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11813	Strand	-
Start	11491	End	18375
Name	OJ990722_11.9C01.C4.o1.np	Method	AAT/NAP
Start	13505	End	18253
GI	3413707	Score	819
Exons	13505..13575, 13799..13883, 14260..14328, 16410..16488, 16640..16705, 17284..17345, 17495..17716, 17837..17968, 18074..18253		
GI Descrip.	(AC004747) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11813	Strand	-
Start	11491	End	18375
Name	OJ990722_11.9C01.C4.o1.gp	Method	AAT/GAP
Start	17902	End	18375
GI	LIB3434-040-P1-K1-E7	Score	702
Exons	17902..17983, 18074..18375		
GI Descrip.	'3413707 9.0e-21 (AC004747) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11814	Strand	-
Start	24292	End	27474
Name	OJ990722_11.9C01.C4.o2.np	Method	AAT/NAP
Start	24292	End	27474
GI	6522592	Score	1689
Exons	24292..24662, 24777..27474		
GI Descrip.	(AL133292) receptor protein kinase-like protein [Arabidopsis thaliana]		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4

Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o7.tm	Method	TBLASTX:Maize
Start	11601	End	11823
GI	none	Score	120
Exons	11601..11717, 11611..11718, 11698..11823, 11718..11822		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o2.tc	Method	TBLASTX:Cress
Start	17504	End	18235
GI	none	Score	137
Exons	17504..17590, 17576..17614, 17624..17668, 17624..17713, 17669..17722, 17837..17980, 17838..17981, 18095..18160, 18173..18235		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o5.ts	Method	TBLASTX:Soybean
Start	17510	End	18235
GI	none	Score	40
Exons	17510..17638, 17609..17713, 17624..17668, 17681..17722, 17838..17870, 17855..17980, 17856..18008, 18101..18163, 18108..18164, 18143..18235		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o8.ts	Method	TBLASTX:Soybean
Start	23871	End	24083
GI	none	Score	102
Exons	23871..24083, 23874..24071		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o4.ts	Method	TBLASTX:Soybean
Start	24310	End	25270
GI	none	Score	54
Exons	24310..24456, 24314..24460, 24478..24651, 24479..24664, 24820..25029, 24844..24984, 24857..25015, 25084..25269, 25085..25270		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o8.tm	Method	TBLASTX:Maize
Start	24319	End	24826
GI	none	Score	104
Exons	24319..24459, 24430..24663, 24515..24664, 24521..24664, 24778..24825, 24779..24826		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507

Name	OJ990722_11.9C01.C4.o1.tc	Method	TBLASTX:Cress
Start	24565	End	27279
GI	none	Score	86
Exons	24565..24663, 24778..24843, 24844..25014, 25600..26193, 25642..26118, 25645..26211, 25646..25954, 25648..26238, 25648..25842, 25648..26238, 25649..25969, 25651..26238, 25651..26055, 25696..26238, 25696..26235, 25774..26238, 25792..26130, 25955..25987, 26006..26317, 26063..26164, 26224..26346, 26347..26442, 26356..26436, 26359..26421, 26434..26652, 26434..26667, 26476..26667, 26668..26790, 26671..26835, 26677..26943, 26677..26943, 26680..27198, 26680..26940, 26680..27030, 26683..27039, 27109..27204, 27238..27279		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o2.tm	Method	TBLASTX:Maize
Start	24838	End	25237
GI	none	Score	118
Exons	24838..25032, 24875..25021, 25069..25236, 25073..25237		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o3.tc	Method	TBLASTX:Cress
Start	25096	End	25377
GI	none	Score	135
Exons	25096..25377, 25115..25372		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o2.ts	Method	TBLASTX:Soybean
Start	25600	End	27199
GI	none	Score	110
Exons	25600..25695, 25642..26208, 25648..26238, 25649..25969, 25651..26238, 25696..26238, 25718..25966, 25720..25815, 25721..25984, 25939..26319, 26006..26317, 26063..26098, 26356..26436, 26434..26652, 26434..26667, 26476..26661, 26476..26667, 26668..26847, 26671..26943, 26671..26940, 26677..27039, 26680..27039, 26680..27036, 27037..27198, 27107..27199		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o3.tm	Method	TBLASTX:Maize
Start	25634	End	27198
GI	none	Score	55
Exons	25634..25738, 25642..26241, 25648..26118, 25648..26055, 25648..25914, 25651..26211, 25666..25959, 25676..26032, 25781..25888, 25810..26238, 25954..26334, 26081..26320, 26134..26184, 26296..26334, 26350..26418, 26476..26661, 26476..26667, 26476..26571, 26668..26943, 26671..26940, 26671..27060, 26701..27036, 27034..27147, 27106..27198		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o3.tw	Method	TBLASTX:Wheat
Start	25709	End	27177
GI	none	Score	54
Exons	25709..25852, 25925..25966, 25957..26139, 26084..26281, 26086..26241, 26131..26199, 26302..26730, 26351..26704, 26608..26757, 26770..26943, 27109..27177		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o3.np	Method	AAT/NAP
Start	32339	End	36507
GI	4234852	Score	4384
Exons	32339..36304, 36347..36507		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o9.tm	Method	TBLASTX:Maize
Start	32378	End	32836
GI	none	Score	56
Exons	32378..32569, 32618..32794, 32777..32836		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o4.tw	Method	TBLASTX:Wheat
Start	32390	End	32789
GI	none	Score	118
Exons	32390..32785, 32556..32789		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o6.ts	Method	TBLASTX:Soybean
Start	32393	End	32959
GI	none	Score	132
Exons	32393..32584, 32573..32764, 32777..32959		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o4.tm	Method	TBLASTX:Maize
Start	32849	End	33280
GI	none	Score	134
Exons	32849..33145, 32850..33050, 33119..33280		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o1.tw	Method	TBLASTX:Wheat
Start	32945	End	33725
GI	none	Score	154

Exons	32945..33394, 32949..33395, 33371..33724, 33378..33725, 33380..33724		
Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o5.tm	Method	TBLASTX:Maize
Start	33281	End	33724
GI	none	Score	138
Exons	33281..33382, 33416..33724, 33417..33707		
Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o1.ts	Method	TBLASTX:Soybean
Start	33416	End	33853
GI	5509260	Score	44
Exons	33416..33853, 33417..33449, 33492..33764		
GI Descrip.	-		
Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o4.tc	Method	TBLASTX:Cress
Start	33506	End	33766
GI	none	Score	116
Exons	33506..33766, 33528..33764		
Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o7.ts	Method	TBLASTX:Soybean
Start	34364	End	34750
GI	none	Score	77
Exons	34364..34537, 34541..34750, 34569..34748		
Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o2.tw	Method	TBLASTX:Wheat
Start	34367	End	35028
GI	none	Score	35
Exons	34367..34465, 34392..34466, 34445..34750, 34476..34727, 34795..35028, 34796..34843		
Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o5.tc	Method	TBLASTX:Cress
Start	34370	End	34750
GI	none	Score	123
Exons	34370..34537, 34550..34750		
Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o6.tm	Method	TBLASTX:Maize

Start	34373	End	34750
GI	none	Score	175
Exons	34373..34444, 34475..34534, 34541..34750		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o3.ts	Method	TBLASTX:Soybean
Start	34804	End	35190
GI	none	Score	114
Exons	34804..35190, 34973..35179		

Seq. No.	5608	Seq. ID	OJ990722_11.9C01.C4
Gene No.	11815	Strand	-
Start	32339	End	36507
Name	OJ990722_11.9C01.C4.o1.tm	Method	TBLASTX:Maize
Start	35468	End	36415
GI	none	Score	51
Exons	35468..35560, 35510..35560, 35665..35796, 35684..35725, 35806..36414, 35837..36415		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11816	Strand	+
Start	4688	End	11068
Name	OJ990722_11.9C01.C5.o2.gs	Method	GENSCAN
Start	4688	End	10906
GI	none	Score	.73
Exons	4688..5977, 5995..6381, 6481..7329, 7459..7722, 7939..9232, 9252..10129, 10370..10906		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11816	Strand	+
Start	4688	End	11068
Name	OJ990722_11.9C01.C5.o1.np	Method	AAT/NAP
Start	7948	End	11068
GI	5902445	Score	3030
Exons	7948..9784, 9824..11068		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11817	Strand	-
Start	130	End	2126
Name	OJ990722_11.9C01.C5.o1.gs	Method	GENSCAN
Start	130	End	2126
GI	none	Score	.74
Exons	130..356, 2096..2126		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11818	Strand	
Start	6265	End	6663
Name	OJ990722_11.9C01.C5.o7.tw	Method	TBLASTX:Wheat
Start	6265	End	6663
GI	none	Score	249
Exons	6265..6663, 6279..6317, 6390..6533		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11819	Strand	

Start	7246	End	7701
Name	OJ990722_11.9C01.C5.o4.tw	Method	TBLASTX:Wheat
Start	7246	End	7701
GI	none	Score	143
Exons	7246..7428, 7254..7355, 7465..7701, 7467..7583, 7489..7686		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11820	Strand	
Start	7893	End	8379
Name	OJ990722_11.9C01.C5.o1.tw	Method	TBLASTX:Wheat
Start	7893	End	8349
GI	none	Score	563
Exons	7893..8348, 7894..8349		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11820	Strand	
Start	7893	End	8379
Name	OJ990722_11.9C01.C5.o1.tm	Method	TBLASTX:Maize
Start	8023	End	8379
GI	none	Score	406
Exons	8023..8379, 8064..8366		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11821	Strand	
Start	8406	End	8943
Name	OJ990722_11.9C01.C5.o2.tm	Method	TBLASTX:Maize
Start	8406	End	8790
GI	none	Score	326
Exons	8406..8504, 8407..8790, 8568..8789		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11821	Strand	
Start	8406	End	8943
Name	OJ990722_11.9C01.C5.o2.tw	Method	TBLASTX:Wheat
Start	8464	End	8888
GI	none	Score	463
Exons	8464..8886, 8504..8620, 8509..8853, 8565..8888		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11821	Strand	
Start	8406	End	8943
Name	OJ990722_11.9C01.C5.o1.ts	Method	TBLASTX:Soybean
Start	8518	End	8943
GI	none	Score	313
Exons	8518..8943, 8568..8702		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11822	Strand	
Start	9033	End	9442
Name	OJ990722_11.9C01.C5.o6.tw	Method	TBLASTX:Wheat
Start	9033	End	9442
GI	none	Score	157
Exons	9033..9248, 9034..9225, 9224..9259, 9269..9442		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11823	Strand	
Start	9481	End	9813

Name	OJ990722_11.9C01.C5.o8.tw	Method	TBLASTX:Wheat
Start	9481	End	9813
GI	none	Score	186
Exons	9481..9813, 9482..9739		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11824	Strand	
Start	9944	End	10327
Name	OJ990722_11.9C01.C5.o3.tm	Method	TBLASTX:Maize
Start	9944	End	10249
GI	none	Score	325
Exons	9944..10249, 9961..10248		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11824	Strand	
Start	9944	End	10327
Name	OJ990722_11.9C01.C5.o5.tw	Method	TBLASTX:Wheat
Start	9944	End	10327
GI	none	Score	317
Exons	9944..10327, 9952..10260, 10294..10326		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11825	Strand	
Start	10451	End	11059
Name	OJ990722_11.9C01.C5.o3.tw	Method	TBLASTX:Wheat
Start	10451	End	11059
GI	none	Score	346
Exons	10451..10903, 10600..10707, 10928..11059, 10933..11058		

Seq. No.	5609	Seq. ID	OJ990722_11.9C01.C5
Gene No.	11825	Strand	
Start	10451	End	11059
Name	OJ990722_11.9C01.C5.o4.tm	Method	TBLASTX:Maize
Start	10757	End	11023
GI	none	Score	141
Exons	10757..10939, 10940..11023		

Seq. No.	5610	Seq. ID	OJ990722_11.9C01.C6
Gene No.	11826	Strand	+
Start	1	End	3143
Name	OJ990722_11.9C01.C6.o3.np	Method	AAT/NAP
Start	1	End	3143
GI	4680186	Score	366
Exons	1..33, 2052..2103, 2943..3143		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5610	Seq. ID	OJ990722_11.9C01.C6
Gene No.	11827	Strand	-
Start	116	End	3076
Name	OJ990722_11.9C01.C6.o1.gs	Method	GENSCAN
Start	116	End	2897
GI	none	Score	.87
Exons	116..240, 339..484, 621..1382, 1449..1507, 1578..1769, 1837..1961, 2822..2897		

Seq. No.	5610	Seq. ID	OJ990722_11.9C01.C6
Gene No.	11827	Strand	-

Start	116	End	3076
Name	OJ990722_11.9C01.C6.o1.np	Method	AAT/NAP
Start	620	End	1833
GI	6721561	Score	1133
Exons	620..1382, 1449..1507, 1578..1833		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5610	Seq. ID	OJ990722_11.9C01.C6
Gene No.	11827	Strand	-
Start	116	End	3076
Name	OJ990722_11.9C01.C6.o2.np	Method	AAT/NAP
Start	1121	End	3026
GI	6721558	Score	123
Exons	1121..1286, 1445..1490, 1831..1961, 2927..3026		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5610	Seq. ID	OJ990722_11.9C01.C6
Gene No.	11827	Strand	-
Start	116	End	3076
Name	OJ990722_11.9C01.C6.o1.gp	Method	AAT/GAP
Start	2694	End	3076
GI	uC-osf1cyp033a04b1	Score	704
Exons	2694..3076		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5611	Seq. ID	OJ990722_11.9C01.C7
Gene No.	11828	Strand	+
Start	3710	End	4060
Name	OJ990722_11.9C01.C7.o2.gs	Method	GENSCAN
Start	3710	End	4060
GI	none	Score	.72
Exons	3710..4060		

Seq. No.	5611	Seq. ID	OJ990722_11.9C01.C7
Gene No.	11829	Strand	-
Start	1	End	3827
Name	OJ990722_11.9C01.C7.o1.np	Method	AAT/NAP
Start	1	End	1334
GI	6907089	Score	273
Exons	1..116, 195..301, 574..1334		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5611	Seq. ID	OJ990722_11.9C01.C7
Gene No.	11829	Strand	-
Start	1	End	3827
Name	OJ990722_11.9C01.C7.o2.np	Method	AAT/NAP
Start	1	End	1294
GI	6721558	Score	135
Exons	1..248, 1163..1294		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]

Seq. No.	5611	Seq. ID	OJ990722_11.9C01.C7
Gene No.	11829	Strand	-
Start	1	End	3827
Name	OJ990722_11.9C01.C7.o3.np	Method	AAT/NAP
Start	505	End	3827
GI	6721512	Score	72
Exons	505..607, 1957..2092, 2121..2238, 3802..3827		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5611	Seq. ID	OJ990722_11.9C01.C7
Gene No.	11829	Strand	-
Start	1	End	3827
Name	OJ990722_11.9C01.C7.o1.gs	Method	GENSCAN
Start	524	End	1549
GI	none	Score	.43
Exons	524..733, 806..1037, 1195..1390, 1447..1549		

Seq. No.	5612	Seq. ID	OJ990722_11.9C01.C8
Gene No.	11830	Strand	+
Start	331	End	361
Name	OJ990722_11.9C01.C8.o1.gs	Method	GENSCAN
Start	331	End	361
GI	none	Score	.73
Exons	331..361		

Seq. No.	5613	Seq. ID	OJ990722_11.9C01.C9
Gene No.	11831	Strand	-
Start	146	End	222
Name	OJ990722_11.9C01.C9.o1.gs	Method	GENSCAN
Start	146	End	222
GI	none	Score	.64
Exons	146..222		

Seq. No.	5614	Seq. ID	OJ990722_11.9C01.C10
Gene No.	11832	Strand	-
Start	1	End	363
Name	OJ990722_11.9C01.C10.o1.np	Method	AAT/NAP
Start	1	End	331
GI	5230423	Score	274
Exons	1..331		
GI Descrip.	(AF091713) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	5614	Seq. ID	OJ990722_11.9C01.C10
Gene No.	11832	Strand	-
Start	1	End	363
Name	OJ990722_11.9C01.C10.o1.tc	Method	TBLASTX:Cress
Start	45	End	313
GI	none	Score	60
Exons	45..209, 67..210, 272..313		

Seq. No.	5614	Seq. ID	OJ990722_11.9C01.C10
Gene No.	11832	Strand	-
Start	1	End	363

Name	OJ990722_11.9C01.C10.o1.tm	Method	TBLASTX:Maize
Start	45	End	331
GI	none	Score	54
Exons	45..218, 47..88, 67..210, 272..331, 272..313		

Seq. No.	5614	Seq. ID	OJ990722_11.9C01.C10
Gene No.	11832	Strand	-
Start	1	End	363
Name	OJ990722_11.9C01.C10.o1.ts	Method	TBLASTX:Soybean
Start	45	End	313
GI	none	Score	82
Exons	45..209, 67..210, 272..313		

Seq. No.	5614	Seq. ID	OJ990722_11.9C01.C10
Gene No.	11832	Strand	-
Start	1	End	363
Name	OJ990722_11.9C01.C10.o1.gs	Method	GENSCAN
Start	47	End	363
GI	none	Score	.74
Exons	47..203, 278..363		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11833	Strand	+
Start	1	End	5381
Name	OJ990722_13.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	2116
GI	3668088	Score	1083
Exons	1..54, 736..1753, 1838..2116		
GI Descrip.	(AC004667) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11833	Strand	+
Start	1	End	5381
Name	OJ990722_13.9C03.C2.o1.gs	Method	GENSCAN
Start	16	End	5381
GI	none	Score	.79
Exons	16..1571, 1667..1958, 4654..4754, 5111..5381		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11834	Strand	+
Start	7597	End	11030
Name	OJ990722_13.9C03.C2.o1.gp	Method	AAT/GAP
Start	7597	End	10652
GI	23995_1.R1084	Score	2347
Exons	7597..7741, 8930..9912, 10536..10652		
GI Descrip.	'4415936/gb|AAD20166| 9.0e-09 (AC006418) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11834	Strand	+
Start	7597	End	11030
Name	OJ990722_13.9C03.C2.o2.np	Method	AAT/NAP
Start	8957	End	11030
GI	4415936	Score	420
Exons	8957..9358, 9503..9752, 10508..11030		
GI Descrip.	(AC006418) unknown protein [Arabidopsis thaliana]		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11835	Strand	+
Start	16505	End	25605
Name	OJ990722_13.9C03.C2.o5.np	Method	AAT/NAP
Start	16505	End	25584
GI	4544372	Score	1089
Exons	16505..16538, 20880..21942, 22003..22404, 22513..23824, 25324..25584		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11835	Strand	+
Start	16505	End	25605
Name	OJ990722_13.9C03.C2.o3.gs	Method	GENSCAN
Start	21670	End	22869
GI	none	Score	.7
Exons	21670..22033, 22271..22869		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11835	Strand	+
Start	16505	End	25605
Name	OJ990722_13.9C03.C2.o4.gs	Method	GENSCAN
Start	23471	End	25605
GI	none	Score	.73
Exons	23471..23824, 25324..25605		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11836	Strand	+
Start	28682	End	33289
Name	OJ990722_13.9C03.C2.o6.np	Method	AAT/NAP
Start	28682	End	33289
GI	5042463	Score	91
Exons	28682..29022, 29750..29829, 33243..33289		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11837	Strand	+
Start	34238	End	37137
Name	OJ990722_13.9C03.C2.o7.np	Method	AAT/NAP
Start	34238	End	34699
GI	5852182	Score	318
Exons	34238..34699		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11837	Strand	+
Start	34238	End	37137
Name	OJ990722_13.9C03.C2.o8.np	Method	AAT/NAP
Start	34367	End	37137
GI	4680203	Score	300
Exons	34367..34874, 37093..37137		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11838	Strand	-

Start	10809	End	11619
Name	OJ990722_13.9C03.C2.o2.gp	Method	AAT/GAP
Start	10809	End	11619
GI	none	Score	1581
Exons	10809..11619		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11839	Strand	-
Start	12553	End	12976
Name	OJ990722_13.9C03.C2.o4.np	Method	AAT/NAP
Start	12553	End	12976
GI	4539658	Score	60
Exons	12553..12573, 12867..12976		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o6.tm	Method	TBLASTX:Maize
Start	766	End	1203
GI	none	Score	74
Exons	766..834, 859..1053, 1105..1158, 1159..1203		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o2.tw	Method	TBLASTX:Wheat
Start	1105	End	1521
GI	none	Score	45
Exons	1105..1149, 1150..1215, 1240..1521		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o3.ts	Method	TBLASTX:Soybean
Start	1327	End	1697
GI	none	Score	70
Exons	1327..1449, 1394..1471, 1407..1526, 1447..1503, 1500..1697, 1514..1681, 1518..1697		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	1461	End	2044
GI	none	Score	337
Exons	1461..1643, 1500..1799, 1583..1792, 1849..1989, 1850..1993, 1851..1994, 1994..2044, 1997..2044		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	1830	End	2122
GI	none	Score	222
Exons	1830..1994, 1840..1995, 1841..1993, 1843..1995, 1880..2002,		

1976..2116, 1995..2117, 1995..2117, 1997..2122

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o4.tm	Method	TBLASTX:Maize
Start	9142	End	9457
GI	none	Score	129
Exons	9142..9456, 9146..9457, 9148..9456		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	9488	End	11020
GI	none	Score	222
Exons	9488..9760, 9499..9723, 9527..9748, 9552..9800, 9814..9891, 9821..9877, 9874..9900, 10536..10829, 10537..10830, 10822..10938, 10828..10956, 10835..11020		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o6.ts	Method	TBLASTX:Soybean
Start	9596	End	10776
GI	none	Score	120
Exons	9596..9700, 10576..10776, 10612..10773, 10635..10775		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	21198	End	21600
GI	none	Score	56
Exons	21198..21239, 21242..21361, 21245..21520, 21247..21600, 21258..21557, 21265..21600		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o5.tm	Method	TBLASTX:Maize
Start	21250	End	21468
GI	none	Score	269
Exons	21250..21468, 21258..21467		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	21469	End	21930
GI	none	Score	523
Exons	21469..21930, 21469..21858, 21471..21929		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o2.ts	Method	TBLASTX:Soybean

Start	21616	End	22086
GI	none	Score	216
Exons	21616..21897, 21616..21723, 21654..21791, 21898..22086, 21942..22073		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o4.tw	Method	TBLASTX:Wheat
Start	21619	End	21999
GI	none	Score	190
Exons	21619..21921, 21624..21881, 21898..21999		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o4.ts	Method	TBLASTX:Soybean
Start	22236	End	22650
GI	none	Score	148
Exons	22236..22370, 22237..22374, 22395..22478, 22396..22479, 22498..22650		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o7.tm	Method	TBLASTX:Maize
Start	23101	End	23482
GI	none	Score	64
Exons	23101..23232, 23258..23482		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o3.tw	Method	TBLASTX:Wheat
Start	23260	End	23674
GI	none	Score	207
Exons	23260..23343, 23261..23674		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o5.ts	Method	TBLASTX:Soybean
Start	25345	End	25622
GI	none	Score	244
Exons	25345..25590, 25345..25512, 25347..25517, 25554..25622		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2
Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o5.gs	Method	GENSCAN
Start	26352	End	32565
GI	none	Score	.42
Exons	26352..26696, 26774..26887, 27091..27513, 27591..27803, 28028..28170, 28458..28582, 29871..29964, 30411..30469, 31836..32390, 32486..32565		

Seq. No.	5615	Seq. ID	OJ990722_13.9C03.C2

Gene No.	11840	Strand	-
Start	26352	End	37137
Name	OJ990722_13.9C03.C2.o9.np	Method	AAT/NAP
Start	28516	End	37137
GI	5923931	Score	57
Exons	28516..28560, 32802..32953, 36975..37137		
GI Descrip.	(AF186605) MLL2 protein [Homo sapiens]		

Seq. No.	5616	Seq. ID	OJ990722_13.9C03.C3
Gene No.	11841	Strand	+
Start	1113	End	4180
Name	OJ990722_13.9C03.C3.o1.gp	Method	AAT/GAP
Start	1113	End	1648
GI	uC-osf1cyp064c01b1	Score	990
Exons	1113..1648		
GI Descrip.	'6069643/dbj|AP000616.1|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	5616	Seq. ID	OJ990722_13.9C03.C3
Gene No.	11841	Strand	+
Start	1113	End	4180
Name	OJ990722_13.9C03.C3.o1.gs	Method	GENSCAN
Start	1233	End	4180
GI	none	Score	.79
Exons	1233..1336, 1993..2179, 3611..3899, 4080..4180		

Seq. No.	5616	Seq. ID	OJ990722_13.9C03.C3
Gene No.	11842	Strand	-
Start	4647	End	4932
Name	OJ990722_13.9C03.C3.o2.gs	Method	GENSCAN
Start	4647	End	4932
GI	none	Score	.66
Exons	4647..4682, 4726..4932		

Seq. No.	5617	Seq. ID	OJ990722_13.9C03.C4
Gene No.	11843	Strand	+
Start	77	End	2274
Name	OJ990722_13.9C03.C4.o1.gs	Method	GENSCAN
Start	77	End	2211
GI	none	Score	.74
Exons	77..399, 634..762, 836..922, 1550..2006, 2023..2211		

Seq. No.	5617	Seq. ID	OJ990722_13.9C03.C4
Gene No.	11843	Strand	+
Start	77	End	2274
Name	OJ990722_13.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	1905	End	2274
GI	none	Score	158
Exons	1905..2042, 1922..2041, 2056..2274, 2061..2177		

Seq. No.	5618	Seq. ID	OJ990722_13.9C03.C5
Gene No.	11844	Strand	+
Start	49	End	908
Name	OJ990722_13.9C03.C5.o1.gs	Method	GENSCAN
Start	49	End	883
GI	none	Score	.93
Exons	49..883		

Seq. No.	5618	Seq. ID	OJ990722_13.9C03.C5
Gene No.	11844	Strand	+
Start	49	End	908
Name	OJ990722_13.9C03.C5.o2.tw	Method	TBLASTX:Wheat
Start	235	End	471
GI	none	Score	172
Exons	235..471, 291..356		

Seq. No.	5618	Seq. ID	OJ990722_13.9C03.C5
Gene No.	11844	Strand	+
Start	49	End	908
Name	OJ990722_13.9C03.C5.o1.ts	Method	TBLASTX:Soybean
Start	310	End	678
GI	none	Score	148
Exons	310..528, 544..678		

Seq. No.	5618	Seq. ID	OJ990722_13.9C03.C5
Gene No.	11844	Strand	+
Start	49	End	908
Name	OJ990722_13.9C03.C5.o1.np	Method	AAT/NAP
Start	325	End	908
GI	5902445	Score	375
Exons	325..908		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5618	Seq. ID	OJ990722_13.9C03.C5
Gene No.	11844	Strand	+
Start	49	End	908
Name	OJ990722_13.9C03.C5.o1.tw	Method	TBLASTX:Wheat
Start	472	End	881
GI	none	Score	614
Exons	472..879, 480..881, 489..812, 590..880		

Seq. No.	5618	Seq. ID	OJ990722_13.9C03.C5
Gene No.	11844	Strand	+
Start	49	End	908
Name	OJ990722_13.9C03.C5.o1.tm	Method	TBLASTX:Maize
Start	532	End	794
GI	none	Score	386
Exons	532..789, 534..794		

Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323
Name	OJ990722_13.9C03.C6.o1.np	Method	AAT/NAP
Start	1	End	2428
GI	4544372	Score	808
Exons	1..445, 570..2428		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323
Name	OJ990722_13.9C03.C6.o1.ts	Method	TBLASTX:Soybean
Start	335	End	753

GI	none	Score	181
Exons	335..469, 336..473, 336..473, 491..562, 510..563, 568..753, 636..749		
Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323
Name	OJ990722_13.9C03.C6.o2.tw	Method	TBLASTX:Wheat
Start	381	End	816
GI	none	Score	82
Exons	381..470, 568..816		
Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323
Name	OJ990722_13.9C03.C6.o1.gs	Method	GENSCAN
Start	688	End	7323
GI	none	Score	.53
Exons	688..1066, 1179..1269, 1480..1699, 1790..1932, 2077..2291, 2346..2431, 3245..3315, 3786..4077, 4530..5289, 5886..6430, 6622..7323		
Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323
Name	OJ990722_13.9C03.C6.o1.tm	Method	TBLASTX:Maize
Start	1244	End	1597
GI	none	Score	216
Exons	1244..1597		
Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323
Name	OJ990722_13.9C03.C6.o3.ts	Method	TBLASTX:Soybean
Start	1448	End	1846
GI	none	Score	225
Exons	1448..1846, 1552..1728		
Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323
Name	OJ990722_13.9C03.C6.o3.tw	Method	TBLASTX:Wheat
Start	1604	End	1966
GI	none	Score	175
Exons	1604..1966		
Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323
Name	OJ990722_13.9C03.C6.o1.tw	Method	TBLASTX:Wheat
Start	2000	End	2413
GI	none	Score	92
Exons	2000..2137, 2014..2265, 2189..2413		
Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323

Name	OJ990722_13.9C03.C6.o2.ts	Method	TBLASTX:Soybean
Start	2189	End	2434
GI	none	Score	253
Exons	2189..2434, 2191..2319, 2395..2430		

Seq. No.	5619	Seq. ID	OJ990722_13.9C03.C6
Gene No.	11845	Strand	+
Start	1	End	7323
Name	OJ990722_13.9C03.C6.o4.tw	Method	TBLASTX:Wheat
Start	6245	End	6481
GI	none	Score	174
Exons	6245..6481, 6247..6477		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11846	Strand	+
Start	1	End	5290
Name	OJ990722_13.9C03.C7.o1.np	Method	AAT/NAP
Start	1	End	5290
GI	6466937	Score	2315
Exons	1..35, 965..5290		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o4.tm	Method	TBLASTX:Maize
Start	84	End	5311
GI	none	Score	61
Exons	84..170, 4562..4981, 4628..4795, 4663..4944, 4949..5182, 5053..5115, 5225..5311		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o6.tm	Method	TBLASTX:Maize
Start	1575	End	2261
GI	none	Score	128
Exons	1575..1703, 1584..1721, 1708..1737, 1785..2027, 1838..1978, 2106..2135, 2109..2261		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o3.np	Method	AAT/NAP
Start	1667	End	6023
GI	3063699	Score	84
Exons	1667..1715, 5734..6023		
GI Descrip.	(AL022537) putative protein [Arabidopsis thaliana]		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o3.tm	Method	TBLASTX:Maize
Start	2300	End	2789
GI	none	Score	536
Exons	2300..2767, 2301..2789, 2475..2771		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o1.tw	Method	TBLASTX:Wheat
Start	2412	End	2894
GI	none	Score	392
Exons	2412..2894, 2513..2860		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o3.ts	Method	TBLASTX:Soybean
Start	2448	End	2765
GI	none	Score	236
Exons	2448..2762, 2564..2761, 2571..2765		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o7.tm	Method	TBLASTX:Maize
Start	2789	End	2963
GI	none	Score	186
Exons	2789..2959, 2790..2963		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o1.ts	Method	TBLASTX:Soybean
Start	2871	End	3230
GI	none	Score	308
Exons	2871..3230, 2882..3229		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o4.tw	Method	TBLASTX:Wheat
Start	2943	End	3344
GI	none	Score	317
Exons	2943..3344, 3032..3310		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o2.tm	Method	TBLASTX:Maize
Start	2973	End	3494
GI	none	Score	618
Exons	2973..3488, 2976..3494, 2987..3490		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o4.ts	Method	TBLASTX:Soybean
Start	3252	End	3509
GI	none	Score	201
Exons	3252..3509, 3254..3451		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o5.tm	Method	TBLASTX:Maize
Start	3495	End	3920
GI	none	Score	192
Exons	3495..3698, 3495..3644, 3496..3702, 3497..3703, 3690..3920		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o3.tw	Method	TBLASTX:Wheat
Start	3690	End	4088
GI	none	Score	329
Exons	3690..4088, 3863..4087		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o1.tm	Method	TBLASTX:Maize
Start	3921	End	4555
GI	none	Score	257
Exons	3921..4187, 4043..4210, 4188..4478, 4192..4503, 4193..4555, 4364..4504		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o2.ts	Method	TBLASTX:Soybean
Start	3942	End	4327
GI	none	Score	188
Exons	3942..4199, 3974..4180, 4184..4327, 4193..4318		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o5.tw	Method	TBLASTX:Wheat
Start	4184	End	4561
GI	none	Score	275
Exons	4184..4561		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o2.tw	Method	TBLASTX:Wheat
Start	4628	End	5038
GI	none	Score	368
Exons	4628..5038, 4640..4927, 4678..4995		

Seq. No.	5620	Seq. ID	OJ990722_13.9C03.C7
Gene No.	11847	Strand	-
Start	1667	End	7477
Name	OJ990722_13.9C03.C7.o2.gs	Method	GENSCAN
Start	5770	End	7477
GI	none	Score	.57
Exons	5770..5774, 5868..5949, 6509..6839, 7367..7477		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11848	Strand	+
Start	1	End	2397
Name	OJ990722_13.9C03.C8.o1.np	Method	AAT/NAP
Start	1	End	2397
GI	4314371	Score	234
Exons	1..483, 2301..2397		
GI Descrip.	(AC006340) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11848	Strand	+
Start	1	End	2397
Name	OJ990722_13.9C03.C8.o1.gs	Method	GENSCAN
Start	109	End	495
GI	none	Score	.82
Exons	109..495		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11849	Strand	+
Start	9570	End	12533
Name	OJ990722_13.9C03.C8.o3.gs	Method	GENSCAN
Start	9570	End	12533
GI	none	Score	.66
Exons	9570..9683, 9706..9809, 11838..11898, 12399..12533		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11850	Strand	+
Start	15764	End	19072
Name	OJ990722_13.9C03.C8.o5.gs	Method	GENSCAN
Start	15764	End	19072
GI	none	Score	.58
Exons	15764..15815, 17480..17773, 18136..18640, 18800..19072		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11851	Strand	-
Start	2361	End	13136
Name	OJ990722_13.9C03.C8.o2.np	Method	AAT/NAP
Start	2282	End	2575
GI	6539588	Score	166
Exons	2282..2575		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11851	Strand	-
Start	2361	End	13136
Name	OJ990722_13.9C03.C8.o2.gs	Method	GENSCAN
Start	2361	End	8713
GI	none	Score	.78
Exons	2361..2510, 6933..7022, 7127..7252, 7809..7993, 8079..8213, 8533..8713		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11851	Strand	-
Start	2361	End	13136
Name	OJ990722_13.9C03.C8.o3.np	Method	AAT/NAP
Start	6891	End	13136

GI	5669636	Score	929
Exons	6891..7022, 7127..7252, 7809..7993, 8533..8707, 11000..11080, 11470..11642, 11736..11973, 13064..13136		
GI Descrip.	(AF096247) ethylene-responsive elongation factor EF-Ts precursor [Lycopersicon esculentum]		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11851	Strand	-
Start	2361	End	13136
Name	OJ990722_13.9C03.C8.o1.gp	Method	AAT/GAP
Start	8633	End	11083
GI	none	Score	270
Exons	8633..8707, 11000..11083		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11851	Strand	-
Start	2361	End	13136
Name	OJ990722_13.9C03.C8.o2.gp	Method	AAT/GAP
Start	12170	End	12438
GI	23880_2.R1084	Score	180
Exons	12170..12242, 12337..12438		
GI Descrip.	'4176420/dbj|BAA37167| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11852	Strand	-
Start	13348	End	14417
Name	OJ990722_13.9C03.C8.o2.tm	Method	TBLASTX:Maize
Start	22	End	444
GI	none	Score	76
Exons	22..120, 145..339, 391..444		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11852	Strand	-
Start	13348	End	14417
Name	OJ990722_13.9C03.C8.o1.tm	Method	TBLASTX:Maize
Start	6927	End	12009
GI	none	Score	111
Exons	6927..7031, 6943..7023, 7109..7189, 7116..7256, 7129..7257, 7136..7252, 7791..7970, 7808..7999, 7809..7979, 7954..8016, 8529..8696, 8529..8696, 8530..8697, 8531..8710, 8531..8716, 11001..11081, 11004..11081, 11464..11667, 11469..11639, 11471..11644, 11736..11786, 11737..12006, 11737..12009		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11852	Strand	-
Start	13348	End	14417
Name	OJ990722_13.9C03.C8.o1.tw	Method	TBLASTX:Wheat
Start	7198	End	8710
GI	none	Score	81
Exons	7198..7257, 7198..7275, 7790..8008, 7791..7970, 7954..8013, 8529..8687, 8531..8710, 8532..8708		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11852	Strand	-
Start	13348	End	14417
Name	OJ990722_13.9C03.C8.o1.ts	Method	TBLASTX:Soybean

Start	8600	End	11836
GI	none	Score	90
Exons	8600..8713, 8601..8696, 11470..11637, 11480..11644, 11737..11835, 11738..11836		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11852	Strand	-
Start	13348	End	14417
Name	OJ990722_13.9C03.C8.o1.tc	Method	TBLASTX:Cress
Start	11537	End	11869
GI	none	Score	95
Exons	11537..11638, 11542..11667, 11552..11644, 11737..11832, 11741..11833, 11741..11869		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11852	Strand	-
Start	13348	End	14417
Name	OJ990722_13.9C03.C8.o2.tw	Method	TBLASTX:Wheat
Start	11791	End	12026
GI	none	Score	130
Exons	11791..12018, 11792..11974, 11809..12018, 11823..12026		

Seq. No.	5621	Seq. ID	OJ990722_13.9C03.C8
Gene No.	11852	Strand	-
Start	13348	End	14417
Name	OJ990722_13.9C03.C8.o4.gs	Method	GENSCAN
Start	13348	End	14417
GI	none	Score	.6
Exons	13348..13543, 14359..14417		

Seq. No.	5622	Seq. ID	OJ990722_13.9C03.C9
Gene No.	11853	Strand	+
Start	1	End	3150
Name	OJ990722_13.9C03.C9.o1.np	Method	AAT/NAP
Start	1	End	3078
GI	4314371	Score	260
Exons	1..29, 549..1237, 2984..3078		
GI Descrip.	(AC006340) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	5622	Seq. ID	OJ990722_13.9C03.C9
Gene No.	11853	Strand	+
Start	1	End	3150
Name	OJ990722_13.9C03.C9.o2.np	Method	AAT/NAP
Start	1	End	3150
GI	4455323	Score	193
Exons	1..24, 1211..1389, 1469..1573, 1676..1755, 3105..3150		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	5622	Seq. ID	OJ990722_13.9C03.C9
Gene No.	11854	Strand	+
Start	7839	End	10015
Name	OJ990722_13.9C03.C9.o2.gs	Method	GENSCAN
Start	7839	End	10015
GI	none	Score	.64
Exons	7839..7860, 9360..9538, 9884..10015		

Seq. No.	5622	Seq. ID	OJ990722_13.9C03.C9
Gene No.	11855	Strand	-
Start	7375	End	9745
Name	OJ990722_13.9C03.C9.o3.np	Method	AAT/NAP
Start	7375	End	9745
GI	6016874	Score	110
Exons	7375..7584, 9721..9745		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	5622	Seq. ID	OJ990722_13.9C03.C9
Gene No.	11856	Strand	-
Start	11494	End	11514
Name	OJ990722_13.9C03.C9.o2.tm	Method	TBLASTX:Maize
Start	642	End	1178
GI	none	Score	127
Exons	642..809, 827..919, 834..1028, 1080..1133, 1134..1178		

Seq. No.	5622	Seq. ID	OJ990722_13.9C03.C9
Gene No.	11856	Strand	-
Start	11494	End	11514
Name	OJ990722_13.9C03.C9.o1.tm	Method	TBLASTX:Maize
Start	1202	End	3250
GI	none	Score	264
Exons	1202..1387, 1207..1401, 1216..1389, 1223..1390, 1466..1567, 1467..1568, 1468..1575, 1673..1753, 1684..1752, 1692..1769, 1850..1939, 1863..1940, 3042..3089, 3203..3250		

Seq. No.	5622	Seq. ID	OJ990722_13.9C03.C9
Gene No.	11856	Strand	-
Start	11494	End	11514
Name	OJ990722_13.9C03.C9.o1.tc	Method	TBLASTX:Cress
Start	1215	End	3334
GI	none	Score	188
Exons	1215..1385, 1216..1389, 3212..3244, 3284..3334		

Seq. No.	5622	Seq. ID	OJ990722_13.9C03.C9
Gene No.	11856	Strand	-
Start	11494	End	11514
Name	OJ990722_13.9C03.C9.o3.gs	Method	GENSCAN
Start	11494	End	11514
GI	none	Score	.54
Exons	11494..11514		

Seq. No.	5623	Seq. ID	OJ990722_13.9C03.C10
Gene No.	11857	Strand	+
Start	73	End	734
Name	OJ990722_13.9C03.C10.o1.gs	Method	GENSCAN
Start	73	End	734
GI	none	Score	.46
Exons	73..81, 138..544, 581..734		

Seq. No.	5624	Seq. ID	OJ990722_13.9C03.C13
Gene No.	11858	Strand	-
Start	1	End	109
Name	OJ990722_13.9C03.C13.o1.np	Method	AAT/NAP

Start	1	End	109
GI	3152595	Score	41
Exons	1..109		
GI Descrip.	(AC002986) Similar to D. melanogaster sno gene gb|U95760. EST gb|N97148 and gb|Z26221 come from this gene. [Arabidopsis thaliana]		

Seq. No.	5624	Seq. ID	OJ990722_13.9C03.C13
Gene No.	11859	Strand	-
Start	41	End	120
Name	OJ990722_13.9C03.C13.o1.gs	Method	GENSCAN
Start	41	End	120
GI	none	Score	.6
Exons	41..120		

Seq. No.	5625	Seq. ID	OJ990722_13.9C03.C14
Gene No.	11860	Strand	-
Start	14	End	185
Name	OJ990722_13.9C03.C14.o1.gs	Method	GENSCAN
Start	14	End	185
GI	none	Score	.42
Exons	14..185		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11861	Strand	+
Start	1	End	8848
Name	OJ990722_13.9C03.C15.o1.np	Method	AAT/NAP
Start	1	End	8627
GI	4455323	Score	1767
Exons	1..334, 1293..1399, 1619..1902, 2125..2278, 2631..2747, 3651..3764, 4525..4707, 5503..5794, 5881..6012, 6124..6211, 6430..6607, 6685..6799, 6886..6992, 7081..7158, 8291..8368, 8451..8627		
GI Descrip.	(AL035525) aminopeptidase-like protein [Arabidopsis thaliana]		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11861	Strand	+
Start	1	End	8848
Name	OJ990722_13.9C03.C15.o1.gs	Method	GENSCAN
Start	1297	End	8636
GI	none	Score	.77
Exons	1297..1399, 1619..1805, 1923..2016, 2125..2278, 2631..2747, 3311..3377, 3598..3764, 5587..5794, 5881..6002, 6114..6211, 6660..6799, 6886..6953, 7081..7158, 8291..8368, 8451..8636		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11861	Strand	+
Start	1	End	8848
Name	OJ990722_13.9C03.C15.o1.gp	Method	AAT/GAP
Start	6419	End	7120
GI	LIB3431-016-P1-K1-G10	Score	726
Exons	6419..6607, 6685..6799, 6886..6953, 7081..7120		
GI Descrip.	'4455323/emb|CAB36783.1| 1.0e-38 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11861	Strand	+

Start	1	End	8848
Name	OJ990722_13.9C03.C15.o3.gp	Method	AAT/GAP
Start	8238	End	8848
GI	46066_1.R1084	Score	830
Exons	8238..8368, 8451..8848		
GI Descrip.	'4455323/emb|CAB36783.1| 1.0e-21 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11861	Strand	+
Start	1	End	8848
Name	OJ990722_13.9C03.C15.o2.gp	Method	AAT/GAP
Start	8246	End	8848
GI	46066_1.R1084	Score	836
Exons	8246..8368, 8451..8848		
GI Descrip.	'4455323/emb|CAB36783.1| 1.0e-21 (AL035525) aminopeptidase-like protein [Arabidopsis thaliana]'		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11862	Strand	+
Start	11271	End	16867
Name	OJ990722_13.9C03.C15.o3.gs	Method	GENSCAN
Start	11271	End	16867
GI	none	Score	.57
Exons	11271..11834, 11940..12056, 13352..13591, 13926..14019, 14732..15178, 15293..15499, 15560..15791, 16375..16867		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11862	Strand	+
Start	11271	End	16867
Name	OJ990722_13.9C03.C15.o3.np	Method	AAT/NAP
Start	11274	End	11786
GI	2244844	Score	132
Exons	11274..11786		
GI Descrip.	(Z97337) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11862	Strand	+
Start	11271	End	16867
Name	OJ990722_13.9C03.C15.o4.gp	Method	AAT/GAP
Start	11402	End	11772
GI	5455575	Score	742
Exons	11402..11772		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11862	Strand	+
Start	11271	End	16867
Name	OJ990722_13.9C03.C15.o5.gp	Method	AAT/GAP
Start	11860	End	12205
GI	427622	Score	651
Exons	11860..12205		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11862	Strand	+
Start	11271	End	16867
Name	OJ990722_13.9C03.C15.o4.np	Method	AAT/NAP
Start	15135	End	15870

GI	5922636	Score	343
Exons	15135..15442, 15733..15870		
GI Descrip.	(AP000492) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6016869|dbj|BAA85212.1| (AP000570) ESTs C99517(E20319),AU078130(E20319) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o3.ts	Method	TBLASTX:Soybean
Start	1607	End	1963
GI	none	Score	84
Exons	1607..1786, 1618..1782, 1618..1812, 1619..1807, 1918..1956, 1922..1963		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o2.tm	Method	TBLASTX:Maize
Start	1658	End	2674
GI	none	Score	204
Exons	1658..1807, 1661..1810, 1918..2016, 1922..2017, 1922..2026, 1929..2027, 1930..2019, 2113..2280, 2125..2280, 2126..2281, 2433..2534, 2433..2534, 2434..2535, 2630..2674, 2631..2672		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o1.tc	Method	TBLASTX:Cress
Start	2126	End	3764
GI	none	Score	230
Exons	2126..2281, 2128..2280, 2432..2539, 2433..2540, 2433..2540, 2434..2556, 2630..2749, 2631..2750, 3645..3764, 3650..3763		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o2.ts	Method	TBLASTX:Soybean
Start	2204	End	2750
GI	none	Score	101
Exons	2204..2281, 2432..2539, 2433..2540, 2433..2540, 2434..2556, 2630..2749, 2631..2750, 2631..2750		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o1.tm	Method	TBLASTX:Maize
Start	4499	End	8551
GI	none	Score	307
Exons	4499..4567, 4519..4707, 4521..4709, 4536..4706, 4646..4714, 5469..5627, 5494..5628, 5629..5796, 5659..5796, 5660..5797, 5879..6004, 5880..6005, 5880..6008, 6113..6187, 6114..6206, 6114..6197, 6115..6207, 6404..6622, 6404..6598, 6427..6606, 6436..6636, 6676..6798, 6682..6801, 6683..6802, 6684..6803, 6872..6955, 6891..6956, 6892..6954, 6906..6977, 7057..7170,		

7081..7158, 8285..8368, 8289..8369, 8290..8367, 8436..8549, 8450..8551

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o1.ts	Method	TBLASTX:Soybean
Start	4518	End	6606
GI	none	Score	126
Exons	4518..4673, 4519..4707, 4536..4664, 5500..5616, 5505..5600, 5659..5757, 5662..5796, 5879..6007, 5880..6008, 6114..6212, 6377..6604, 6430..6606		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o3.tc	Method	TBLASTX:Cress
Start	5463	End	5798
GI	none	Score	140
Exons	5463..5609, 5485..5613, 5664..5798, 5665..5796		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o2.tc	Method	TBLASTX:Cress
Start	5922	End	8618
GI	none	Score	80
Exons	5922..6008, 6433..6534, 6433..6603, 6434..6607, 6682..6801, 6696..6803, 8285..8341, 8450..8596, 8451..8618		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o2.gs	Method	GENSCAN
Start	9138	End	10421
GI	none	Score	.91
Exons	9138..9209, 9299..9409, 9521..9607, 9708..9799, 10010..10149, 10243..10421		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o4.ts	Method	TBLASTX:Soybean
Start	9138	End	10151
GI	none	Score	55
Exons	9138..9212, 9139..9207, 9305..9412, 9309..9413, 9519..9605, 9521..9607, 10001..10126, 10014..10151		

Seq. No.	5626	Seq. ID	OJ990722_13.9C03.C15
Gene No.	11863	Strand	-
Start	9138	End	10442
Name	OJ990722_13.9C03.C15.o2.np	Method	AAT/NAP
Start	9141	End	10442
GI	4914406	Score	308
Exons	9141..9209, 9299..9409, 9521..9607, 9956..10122, 10303..10442		
GI Descrip.	(AL050352) mRNA cleavage factor subunit-like protein [Arabidopsis thaliana]		

Seq. No.	5627	Seq. ID	OJ990722_13.9C03.C16
Gene No.	11864	Strand	+
Start	336	End	4166
Name	OJ990722_13.9C03.C16.o1.gs	Method	GENSCAN
Start	336	End	2264
GI	none	Score	.42
Exons	336..2264		

Seq. No.	5627	Seq. ID	OJ990722_13.9C03.C16
Gene No.	11864	Strand	+
Start	336	End	4166
Name	OJ990722_13.9C03.C16.o1.np	Method	AAT/NAP
Start	1696	End	4166
GI	4314371	Score	238
Exons	1696..2253, 2982..3037, 4146..4166		
GI Descrip.	(AC006340) similar to mammalian MHC III region protein G9a [Arabidopsis thaliana]		

Seq. No.	5627	Seq. ID	OJ990722_13.9C03.C16
Gene No.	11865	Strand	-
Start	4701	End	5376
Name	OJ990722_13.9C03.C16.o2.gs	Method	GENSCAN
Start	4701	End	5376
GI	none	Score	.81
Exons	4701..4822, 5301..5376		

Seq. No.	5627	Seq. ID	OJ990722_13.9C03.C16
Gene No.	11866	Strand	-
Start	6698	End	7083
Name	OJ990722_13.9C03.C16.o1.tm	Method	TBLASTX:Maize
Start	1725	End	2213
GI	none	Score	115
Exons	1725..1889, 1914..2108, 2160..2213		

Seq. No.	5627	Seq. ID	OJ990722_13.9C03.C16
Gene No.	11866	Strand	-
Start	6698	End	7083
Name	OJ990722_13.9C03.C16.o3.gs	Method	GENSCAN
Start	6698	End	7083
GI	none	Score	.56
Exons	6698..7083		

Seq. No.	5628	Seq. ID	OJ990722_13.9C03.C17
Gene No.	11867	Strand	-
Start	1	End	831
Name	OJ990722_13.9C03.C17.o1.np	Method	AAT/NAP
Start	1	End	831
GI	6523547	Score	227
Exons	1..831		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11868	Strand	+
Start	5989	End	16229
Name	OJ990802_16.9C17.C1.o1.np	Method	AAT/NAP

Start	5989	End	16075
GI	4914455	Score	1096
Exons	5989..6031, 13236..13552, 13871..13966, 14091..14168, 14253..14429, 15714..15782, 15896..16075		
GI Descrip.	(AL050400) fibrillarin-like protein [Arabidopsis thaliana]		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11868	Strand	+
Start	5989	End	16229
Name	OJ990802_16.9C17.C1.o5.gs	Method	GENSCAN
Start	13412	End	16072
GI	none	Score	.73
Exons	13412..13552, 13871..13966, 14091..14168, 14205..14429, 15714..15782, 15818..16072		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11868	Strand	+
Start	5989	End	16229
Name	OJ990802_16.9C17.C1.o2.gp	Method	AAT/GAP
Start	13420	End	16229
GI	18556_1.R1084	Score	1637
Exons	13420..13552, 13871..13966, 14091..14168, 14253..14429, 15714..15782, 15896..16229		
GI Descrip.	'4914455/emb|CAB43694.1| 1.0e-121 (AL050400) fibrillarin-like protein [Arabidopsis thaliana]'		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11869	Strand	-
Start	5055	End	10863
Name	OJ990802_16.9C17.C1.o3.gs	Method	GENSCAN
Start	5055	End	10823
GI	none	Score	.92
Exons	5055..5998, 7700..7828, 9758..10823		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11869	Strand	-
Start	5055	End	10863
Name	OJ990802_16.9C17.C1.o1.gp	Method	AAT/GAP
Start	10540	End	10863
GI	2427900	Score	569
Exons	10540..10863		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11870	Strand	-
Start	16833	End	18878
Name	OJ990802_16.9C17.C1.o6.gs	Method	GENSCAN
Start	16833	End	18878
GI	none	Score	.43
Exons	16833..16955, 17704..17803, 18033..18275, 18796..18878		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o2.tm	Method	TBLASTX:Maize
Start	13424	End	16095
GI	none	Score	194
Exons	13424..13552, 13427..13507, 13465..13548, 13864..13965,		

13865..13966, 13869..13967, 14090..14170, 14091..14168,
14093..14170, 14235..14429, 14248..14379, 14255..14425,
14256..14429, 14261..14431, 15711..15782, 15712..15783,
15713..15784, 15713..15781, 15891..16073, 15893..16075,
15893..16048, 15895..16095, 15895..16080

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o2.ts	Method	TBLASTX:Soybean
Start	13424	End	16064
GI	none	Score	182

Exons 13424..13552, 13465..13548, 13864..13965, 13865..13966,
13868..13969, 14093..14164, 14093..14167, 14094..14168,
14235..14429, 14252..14428, 14264..14440, 15711..15782,
15713..15781, 15893..16060, 15893..16048, 15895..16059,
15909..16064

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o2.tc	Method	TBLASTX:Cress
Start	13442	End	16094
GI	none	Score	150

Exons 13442..13552, 13462..13548, 13860..13964, 13864..13965,
13865..13966, 13868..13969, 14093..14170, 14094..14168,
14255..14428, 14256..14429, 14264..14431, 15711..15782,
15713..15781, 15893..16060, 15893..16045, 15895..16059,
15951..16094

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o1.tm	Method	TBLASTX:Maize
Start	19296	End	22989
GI	none	Score	47

Exons 19296..19325, 19306..19326, 19327..19419, 19331..19420,
19362..19424, 19467..19622, 19468..20127, 19536..20129,
19537..20127, 20324..20722, 20364..20720, 20853..21044,
20859..21059, 20863..21063, 21216..21272, 21217..21483,
21217..21477, 21350..21484, 21543..21674, 21543..21677,
21545..21763, 21551..21763, 21712..21771, 21735..21767,
21832..21972, 21834..21968, 21835..21969, 22012..22230,
22025..22192, 22045..22194, 22271..22615, 22271..22618,
22272..22637, 22695..22982, 22710..22880, 22714..22989,
22735..22986

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o7.gs	Method	GENSCAN
Start	19474	End	22983
GI	none	Score	.85

Exons 19474..19694, 19799..20126, 20369..20719, 20862..21058,
21219..21477, 21551..21763, 21841..21966, 22054..22191,
22271..22616, 22717..22983

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o1.tc	Method	TBLASTX:Cress
Start	19533	End	22979
GI	none	Score	544
Exons	19533..19559, 19587..20129, 19591..20127, 19828..20130, 20324..20722, 20362..20727, 20373..20720, 20859..21059, 20863..21060, 21217..21261, 21217..21294, 21314..21337, 21349..21477, 21386..21484, 21545..21763, 21546..21674, 21548..21724, 21832..21969, 21832..21972, 22012..22194, 22013..22192, 22034..22201, 22048..22203, 22271..22618, 22272..22637, 22647..22877, 22695..22964, 22714..22968, 22929..22979		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o1.ts	Method	TBLASTX:Soybean
Start	19539	End	22857
GI	none	Score	617
Exons	19539..19562, 19575..20129, 19588..20127, 19662..20129, 20324..20722, 20364..20720, 20369..20722, 20853..21035, 20859..21059, 20863..21063, 21216..21245, 21217..21294, 21218..21274, 21320..21388, 21346..21477, 21347..21484, 21525..21677, 21543..21674, 21545..21763, 21551..21763, 21706..21771, 21735..21764, 21832..21969, 21832..21972, 22012..22230, 22017..22106, 22025..22192, 22152..22229, 22263..22601, 22267..22602, 22271..22618, 22272..22622, 22695..22850, 22710..22856, 22735..22857		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o2.np	Method	AAT/NAP
Start	19545	End	22983
GI	2827139	Score	3628
Exons	19545..20126, 20369..20719, 20862..21058, 21219..21477, 21551..21763, 21841..21966, 22054..22191, 22271..22616, 22717..22983		
GI Descrip.	(AF027172) cellulose synthase catalytic subunit [Arabidopsis thaliana] gi|4049343|emb|CAA22568.1| (AL034567) cellulose synthase catalytic subunit (RSW1) [Arabidopsis thaliana]		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o1.tw	Method	TBLASTX:Wheat
Start	19662	End	20070
GI	none	Score	456
Exons	19662..20069, 19662..20069, 19663..20070		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o3.tw	Method	TBLASTX:Wheat
Start	20070	End	20528

GI	none	Score	139
Exons	20070..20129, 20324..20527, 20364..20525, 20373..20528		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o3.gp	Method	AAT/GAP
Start	20556	End	22990
GI	806_1.R1084	Score	3210
Exons	20556..20719, 20862..21058, 21219..21477, 21551..21763, 21841..21966, 22054..22191, 22271..22616, 22717..22990		
GI Descrip.	'2827139 0.0e+00 (AF027172) cellulose synthase catalytic subunit [Arabidopsis thaliana] >gi_4049343_emb_CAA22568.1_ (AL034567) cellulose synthase catalytic subunit (RSW1) [Arabidopsis thaliana]'		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o4.tw	Method	TBLASTX:Wheat
Start	21424	End	21773
GI	none	Score	56
Exons	21424..21477, 21425..21484, 21543..21644, 21543..21629, 21545..21643, 21653..21763, 21653..21763, 21750..21773		

Seq. No.	5629	Seq. ID	OJ990802_16.9C17.C1
Gene No.	11871	Strand	-
Start	19474	End	22990
Name	OJ990802_16.9C17.C1.o2.tw	Method	TBLASTX:Wheat
Start	21843	End	22421
GI	none	Score	203
Exons	21843..21968, 21844..21969, 21844..21972, 22012..22230, 22013..22192, 22045..22194, 22271..22420, 22272..22421		

Seq. No.	5630	Seq. ID	OJ990802_16.9C17.C2
Gene No.	11872	Strand	-
Start	1	End	1872
Name	OJ990802_16.9C17.C2.o1.gp	Method	AAT/GAP
Start	1	End	1872
GI	806_1.R1084	Score	1553
Exons	1..31, 92..286, 370..454, 555..742, 932..1127, 1696..1872		
GI Descrip.	'2827139 0.0e+00 (AF027172) cellulose synthase catalytic subunit [Arabidopsis thaliana] >gi_4049343_emb_CAA22568.1_ (AL034567) cellulose synthase catalytic subunit (RSW1) [Arabidopsis thaliana]'		

Seq. No.	5630	Seq. ID	OJ990802_16.9C17.C2
Gene No.	11872	Strand	-
Start	1	End	1872
Name	OJ990802_16.9C17.C2.o1.np	Method	AAT/NAP
Start	1	End	1782
GI	2781433	Score	1208
Exons	1..286, 370..454, 555..742, 932..1127, 1696..1782		
GI Descrip.	(AF030052) RSW1-like cellulose synthase catalytic subunit [Oryza sativa subsp. japonica]		

Seq. No.	5630	Seq. ID	OJ990802_16.9C17.C2

Gene No.	11872	Strand	-
Start	1	End	1872
Name	OJ990802_16.9C17.C2.o1.gs	Method	GENSCAN
Start	171	End	1782
GI	none	Score	.95
Exons	171..286, 370..454, 555..742, 932..1127, 1696..1782		

Seq. No.	5630	Seq. ID	OJ990802_16.9C17.C2
Gene No.	11873	Strand	-
Start	4921	End	5924
Name	OJ990802_16.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	96	End	1782
GI	none	Score	153
Exons	96..290, 96..290, 172..291, 404..454, 922..1146, 930..1127, 1714..1782		

Seq. No.	5630	Seq. ID	OJ990802_16.9C17.C2
Gene No.	11873	Strand	-
Start	4921	End	5924
Name	OJ990802_16.9C17.C2.o2.tm	Method	TBLASTX:Maize
Start	96	End	213
GI	none	Score	173
Exons	96..212, 97..213		

Seq. No.	5630	Seq. ID	OJ990802_16.9C17.C2
Gene No.	11873	Strand	-
Start	4921	End	5924
Name	OJ990802_16.9C17.C2.o2.tc	Method	TBLASTX:Cress
Start	96	End	290
GI	none	Score	148
Exons	96..287, 96..290		

Seq. No.	5630	Seq. ID	OJ990802_16.9C17.C2
Gene No.	11873	Strand	-
Start	4921	End	5924
Name	OJ990802_16.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	565	End	1782
GI	none	Score	68
Exons	565..639, 591..677, 630..743, 632..745, 641..745, 922..1128, 930..1127, 1057..1128, 1690..1782, 1697..1762		

Seq. No.	5630	Seq. ID	OJ990802_16.9C17.C2
Gene No.	11873	Strand	-
Start	4921	End	5924
Name	OJ990802_16.9C17.C2.o1.tc	Method	TBLASTX:Cress
Start	937	End	1782
GI	none	Score	211
Exons	937..1143, 939..1133, 1708..1782		

Seq. No.	5630	Seq. ID	OJ990802_16.9C17.C2
Gene No.	11873	Strand	-
Start	4921	End	5924
Name	OJ990802_16.9C17.C2.o2.gs	Method	GENSCAN
Start	4921	End	5924
GI	none	Score	.69
Exons	4921..5041, 5592..5723, 5806..5924		

Seq. No.	5631	Seq. ID	OJ990802_16.9C17.C3
Gene No.	11874	Strand	-
Start	1520	End	1573
Name	OJ990802_16.9C17.C3.o2.gs	Method	GENSCAN
Start	1520	End	1573
GI	none	Score	.6
Exons	1520..1573		

Seq. No.	5632	Seq. ID	OJ990802_16.9C17.C4
Gene No.	11875	Strand	+
Start	1	End	624
Name	OJ990802_16.9C17.C4.o1.np	Method	AAT/NAP
Start	1	End	624
GI	4680179	Score	542
Exons	1..624		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5632	Seq. ID	OJ990802_16.9C17.C4
Gene No.	11875	Strand	+
Start	1	End	624
Name	OJ990802_16.9C17.C4.o1.tw	Method	TBLASTX:Wheat
Start	1	End	366
GI	none	Score	156
Exons	1..207, 33..146, 252..365, 253..366		

Seq. No.	5632	Seq. ID	OJ990802_16.9C17.C4
Gene No.	11875	Strand	+
Start	1	End	624
Name	OJ990802_16.9C17.C4.o1.tm	Method	TBLASTX:Maize
Start	39	End	317
GI	none	Score	185
Exons	39..131, 40..315, 225..317		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o1.gs	Method	GENSCAN
Start	872	End	6455
GI	none	Score	.9
Exons	872..951, 982..1637, 1676..1704, 1929..6455		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o1.gp	Method	AAT/GAP
Start	1147	End	1601
GI	95437_1.R1084	Score	774
Exons	1147..1601		
GI Descrip.	'4512226/dbj|AB014738.1|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o1.np	Method	AAT/NAP
Start	1926	End	6452

GI	4680179	Score	5440
Exons	1926..3017, 3051..6452		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o9.tw	Method	TBLASTX:Wheat
Start	2142	End	2368
GI	none	Score	211
Exons	2142..2162, 2169..2366, 2171..2368		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o7.tw	Method	TBLASTX:Wheat
Start	2402	End	2753
GI	none	Score	295
Exons	2402..2596, 2403..2753		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o6.tm	Method	TBLASTX:Maize
Start	2403	End	2708
GI	none	Score	234
Exons	2403..2708, 2417..2533		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o7.tm	Method	TBLASTX:Maize
Start	3042	End	3397
GI	none	Score	189
Exons	3042..3395, 3134..3211, 3305..3397		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o8.tw	Method	TBLASTX:Wheat
Start	3078	End	3500
GI	none	Score	163
Exons	3078..3287, 3134..3226, 3332..3445, 3333..3500		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o4.tw	Method	TBLASTX:Wheat
Start	3611	End	4097
GI	none	Score	52
Exons	3611..4054, 3615..3665, 3720..4097, 3729..4094		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o5.tm	Method	TBLASTX:Maize
Start	3626	End	3916

GI	none	Score	276
Exons	3626..3916, 3627..3914		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o2.tc	Method	TBLASTX:Cress
Start	3744	End	4061
GI	none	Score	180
Exons	3744..4061		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o3.tm	Method	TBLASTX:Maize
Start	3984	End	4484
GI	none	Score	162
Exons	3984..4163, 3992..4114, 4170..4484, 4310..4363, 4391..4441		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	4038	End	4433
GI	none	Score	57
Exons	4038..4070, 4040..4069, 4074..4433, 4076..4114, 4142..4432		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o5.tw	Method	TBLASTX:Wheat
Start	4146	End	4448
GI	none	Score	382
Exons	4146..4448, 4147..4227, 4148..4432, 4149..4442		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o3.tw	Method	TBLASTX:Wheat
Start	4449	End	4871
GI	none	Score	598
Exons	4449..4871, 4481..4870		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o3.ts	Method	TBLASTX:Soybean
Start	4455	End	4700
GI	none	Score	207
Exons	4455..4700, 4472..4600		

Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	4520	End	4883
GI	none	Score	482

Exons	4520..4870, 4521..4874, 4521..4883		
Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o2.tw	Method	TBLASTX:Wheat
Start	4874	End	5441
GI	none	Score	650
Exons	4874..5437, 4905..5441, 4977..5441		
Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	5148	End	5465
GI	none	Score	90
Exons	5148..5321, 5322..5465, 5324..5464		
Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o2.ts	Method	TBLASTX:Soybean
Start	5229	End	5489
GI	none	Score	297
Exons	5229..5489, 5234..5488		
Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o4.tm	Method	TBLASTX:Maize
Start	5288	End	5579
GI	none	Score	374
Exons	5288..5575, 5289..5579		
Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o1.tw	Method	TBLASTX:Wheat
Start	5448	End	6074
GI	none	Score	706
Exons	5448..6074, 5504..6073		
Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	5628	End	6212
GI	none	Score	231
Exons	5628..5789, 5630..5782, 5631..5783, 5787..6212, 5789..6211, 5949..6212		
Seq. No.	5633	Seq. ID	OJ990802_16.9C17.C5
Gene No.	11876	Strand	+
Start	872	End	6455
Name	OJ990802_16.9C17.C5.o6.tw	Method	TBLASTX:Wheat
Start	6074	End	6407
GI	none	Score	318

Exons	6074..6343, 6075..6407, 6078..6386		
Seq. No.	5634	Seq. ID	OJ990802_16.9C17.C6
Gene No.	11877	Strand	-
Start	1	End	617
Name	OJ990802_16.9C17.C6.o1.np	Method	AAT/NAP
Start	1	End	617
GI	5902445	Score	206
Exons	1..28, 425..617		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	5634	Seq. ID	OJ990802_16.9C17.C6
Gene No.	11877	Strand	-
Start	1	End	617
Name	OJ990802_16.9C17.C6.o1.gs	Method	GENSCAN
Start	338	End	585
GI	none	Score	.76
Exons	338..361, 433..585		
Seq. No.	5634	Seq. ID	OJ990802_16.9C17.C6
Gene No.	11877	Strand	-
Start	1	End	617
Name	OJ990802_16.9C17.C6.o1.tw	Method	TBLASTX:Wheat
Start	412	End	613
GI	none	Score	149
Exons	412..612, 425..613		
Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11878	Strand	+
Start	399	End	3731
Name	OJ990802_16.9C17.C7.o1.gs	Method	GENSCAN
Start	399	End	3731
GI	none	Score	.7
Exons	399..515, 595..1129, 1163..1344, 1346..1990, 2265..2459, 2685..3731		
Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11879	Strand	+
Start	4017	End	7356
Name	OJ990802_16.9C17.C7.o2.gs	Method	GENSCAN
Start	4017	End	6476
GI	none	Score	.62
Exons	4017..4970, 5019..5256, 5265..5353, 5707..5878, 6011..6243, 6348..6476		
Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11879	Strand	+
Start	4017	End	7356
Name	OJ990802_16.9C17.C7.o1.np	Method	AAT/NAP
Start	4126	End	7305
GI	4544372	Score	1175
Exons	4126..5165, 5226..5605, 5718..7305		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11879	Strand	+

Start	4017	End	7356
Name	OJ990802_16.9C17.C7.o2.np	Method	AAT/NAP
Start	6192	End	7356
GI	629693	Score	502
Exons	6192..7356		
GI Descrip.	probable integrase - common tobacco (fragment) gi|530742|emb|CAA56791| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11880	Strand	+
Start	7895	End	8912
Name	OJ990802_16.9C17.C7.o3.np	Method	AAT/NAP
Start	7895	End	8912
GI	6721562	Score	104
Exons	7895..8047, 8854..8912		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi|6815087|dbj|BAA90373.1| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o3.ts	Method	TBLASTX:Soybean
Start	4257	End	4622
GI	none	Score	141
Exons	4257..4481, 4488..4622		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o1.tw	Method	TBLASTX:Wheat
Start	4418	End	4823
GI	none	Score	78
Exons	4418..4465, 4419..4475, 4428..4478, 4470..4823, 4478..4618, 4479..4772, 4670..4780		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o2.tm	Method	TBLASTX:Maize
Start	4478	End	4691
GI	none	Score	272
Exons	4478..4618, 4479..4691		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o1.tm	Method	TBLASTX:Maize
Start	4692	End	5153
GI	none	Score	540
Exons	4692..5153, 4692..4775, 4694..4780, 4839..4955, 4841..5152		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888

Name	OJ990802_16.9C17.C7.o3.tw	Method	TBLASTX:Wheat
Start	4824	End	5222
GI	none	Score	205
Exons	4824..5159, 4847..5155, 5121..5222		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o1.ts	Method	TBLASTX:Soybean
Start	4839	End	5279
GI	none	Score	222
Exons	4839..5120, 4877..5101, 5121..5279, 5165..5278		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o2.ts	Method	TBLASTX:Soybean
Start	5460	End	5873
GI	none	Score	103
Exons	5460..5567, 5462..5566, 5554..5598, 5566..5598, 5613..5678, 5619..5873, 5620..5871		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o3.tm	Method	TBLASTX:Maize
Start	6160	End	6492
GI	none	Score	189
Exons	6160..6492		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o4.ts	Method	TBLASTX:Soybean
Start	6325	End	6633
GI	none	Score	214
Exons	6325..6633, 6429..6617		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o2.tw	Method	TBLASTX:Wheat
Start	6883	End	7290
GI	none	Score	205
Exons	6883..7290, 7032..7256		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888
Name	OJ990802_16.9C17.C7.o5.ts	Method	TBLASTX:Soybean
Start	7066	End	7299
GI	none	Score	209
Exons	7066..7299, 7066..7233, 7068..7238, 7278..7298		

Seq. No.	5635	Seq. ID	OJ990802_16.9C17.C7
Gene No.	11881	Strand	-
Start	7321	End	7888

Name	OJ990802_16.9C17.C7.o3.gs	Method	GENSCAN
Start	7321	End	7888
GI	none	Score	.6
Exons	7321..7403, 7443..7607, 7724..7888		

Seq. No.	5636	Seq. ID	OJ990802_16.9C17.C8
Gene No.	11882	Strand	+
Start	1	End	7511
Name	OJ990802_16.9C17.C8.o2.np	Method	AAT/NAP
Start	1	End	5333
GI	5902444	Score	930
Exons	1..50, 1498..1719, 1940..2081, 3599..4474, 4701..5333		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5636	Seq. ID	OJ990802_16.9C17.C8
Gene No.	11882	Strand	+
Start	1	End	7511
Name	OJ990802_16.9C17.C8.o1.gs	Method	GENSCAN
Start	450	End	7242
GI	none	Score	.43
Exons	450..1074, 1189..1800, 2109..2231, 3585..3863, 3975..4498, 4662..4928, 4986..5303, 5336..5590, 7120..7242		

Seq. No.	5636	Seq. ID	OJ990802_16.9C17.C8
Gene No.	11882	Strand	+
Start	1	End	7511
Name	OJ990802_16.9C17.C8.o3.np	Method	AAT/NAP
Start	5399	End	7511
GI	5902445	Score	218
Exons	5399..5598, 7493..7511		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5636	Seq. ID	OJ990802_16.9C17.C8
Gene No.	11882	Strand	+
Start	1	End	7511
Name	OJ990802_16.9C17.C8.o4.np	Method	AAT/NAP
Start	5659	End	6750
GI	4680186	Score	343
Exons	5659..5713, 6549..6750		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5636	Seq. ID	OJ990802_16.9C17.C8
Gene No.	11883	Strand	-
Start	1	End	395
Name	OJ990802_16.9C17.C8.o1.np	Method	AAT/NAP
Start	1	End	395
GI	6721512	Score	143
Exons	1..206, 233..395		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5636	Seq. ID	OJ990802_16.9C17.C8
Gene No.	11884	Strand	-
Start	6298	End	6683
Name	OJ990802_16.9C17.C8.o2.tw	Method	TBLASTX:Wheat
Start	3575	End	3889
GI	none	Score	193
Exons	3575..3889		

Seq. No.	5636	Seq. ID	OJ990802_16.9C17.C8
Gene No.	11884	Strand	-
Start	6298	End	6683
Name	OJ990802_16.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	4701	End	5464
GI	none	Score	139
Exons	4701..4883, 4709..4882, 4920..5156, 4926..5141, 5023..5157, 5324..5464, 5330..5446, 5353..5463		

Seq. No.	5636	Seq. ID	OJ990802_16.9C17.C8
Gene No.	11884	Strand	-
Start	6298	End	6683
Name	OJ990802_16.9C17.C8.o1.gp	Method	AAT/GAP
Start	6298	End	6683
GI	uC-osflcyp033a04b1	Score	653
Exons	6298..6683		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5637	Seq. ID	OJ990802_16.9C17.C9
Gene No.	11885	Strand	+
Start	1	End	3630
Name	OJ990802_16.9C17.C9.o1.np	Method	AAT/NAP
Start	1	End	3583
GI	5902445	Score	931
Exons	1..93, 1052..1664, 3202..3583		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5637	Seq. ID	OJ990802_16.9C17.C9
Gene No.	11885	Strand	+
Start	1	End	3630
Name	OJ990802_16.9C17.C9.o1.gs	Method	GENSCAN
Start	171	End	3630
GI	none	Score	.57
Exons	171..266, 1263..1540, 3099..3630		

Seq. No.	5637	Seq. ID	OJ990802_16.9C17.C9
Gene No.	11885	Strand	+
Start	1	End	3630
Name	OJ990802_16.9C17.C9.o1.tm	Method	TBLASTX:Maize
Start	1097	End	1337
GI	none	Score	65
Exons	1097..1327, 1100..1192, 1104..1337		

Seq. No.	5637	Seq. ID	OJ990802_16.9C17.C9
Gene No.	11885	Strand	+
Start	1	End	3630
Name	OJ990802_16.9C17.C9.o1.tw	Method	TBLASTX:Wheat
Start	1209	End	1625
GI	none	Score	428
Exons	1209..1625, 1218..1349, 1280..1366, 1505..1624		

Seq. No.	5637	Seq. ID	OJ990802_16.9C17.C9
Gene No.	11885	Strand	+
Start	1	End	3630
Name	OJ990802_16.9C17.C9.o2.tm	Method	TBLASTX:Maize

Start	1341	End	1664
GI	none	Score	243
Exons	1341..1664		

Seq. No.	5637	Seq. ID	OJ990802_16.9C17.C9
Gene No.	11885	Strand	+
Start	1	End	3630
Name	OJ990802_16.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	1398	End	1634
GI	none	Score	187
Exons	1398..1634, 1508..1624		

Seq. No.	5637	Seq. ID	OJ990802_16.9C17.C9
Gene No.	11885	Strand	+
Start	1	End	3630
Name	OJ990802_16.9C17.C9.o3.tm	Method	TBLASTX:Maize
Start	3199	End	3495
GI	none	Score	194
Exons	3199..3381, 3204..3377, 3328..3468, 3460..3495		

Seq. No.	5637	Seq. ID	OJ990802_16.9C17.C9
Gene No.	11885	Strand	+
Start	1	End	3630
Name	OJ990802_16.9C17.C9.o2.tw	Method	TBLASTX:Wheat
Start	3211	End	3582
GI	none	Score	167
Exons	3211..3450, 3460..3582, 3468..3581		

Seq. No.	5638	Seq. ID	OJ990802_16.9C17.C10
Gene No.	11886	Strand	+
Start	1	End	6965
Name	OJ990802_16.9C17.C10.o1.np	Method	AAT/NAP
Start	1	End	6965
GI	5852180	Score	642
Exons	1..115, 2968..3033, 4026..4143, 4195..4608, 5315..5385, 6916..6965		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	5638	Seq. ID	OJ990802_16.9C17.C10
Gene No.	11887	Strand	-
Start	515	End	6392
Name	OJ990802_16.9C17.C10.o1.gs	Method	GENSCAN
Start	515	End	6392
GI	none	Score	.58
Exons	515..1627, 4048..4170, 4353..4891, 6167..6392		

Seq. No.	5638	Seq. ID	OJ990802_16.9C17.C10
Gene No.	11887	Strand	-
Start	515	End	6392
Name	OJ990802_16.9C17.C10.o1.gp	Method	AAT/GAP
Start	2882	End	3266
GI	uC-osflcyp033a04b1	Score	620
Exons	2882..3266		
GI Descrip.	'6016845/dbj|AP000570.1|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11

Gene No.	11888	Strand	+
Start	288	End	2243
Name	OJ990802_16.9C17.C11.o1.np	Method	AAT/NAP
Start	288	End	2243
GI	5902445	Score	1468
Exons	288..993, 1033..2243		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11889	Strand	+
Start	5990	End	10496
Name	OJ990802_16.9C17.C11.o5.np	Method	AAT/NAP
Start	5990	End	10496
GI	3080357	Score	82
Exons	5990..6050, 9376..9503, 10449..10496		
GI Descrip.	(AL022580) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11890	Strand	-
Start	1426	End	8577
Name	OJ990802_16.9C17.C11.o3.tw	Method	TBLASTX:Wheat
Start	385	End	752
GI	none	Score	64
Exons	385..483, 463..564, 472..585, 556..663, 618..752, 629..751		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11890	Strand	-
Start	1426	End	8577
Name	OJ990802_16.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	1153	End	1458
GI	none	Score	337
Exons	1153..1458, 1170..1457		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11890	Strand	-
Start	1426	End	8577
Name	OJ990802_16.9C17.C11.o1.tw	Method	TBLASTX:Wheat
Start	1284	End	1653
GI	none	Score	346
Exons	1284..1646, 1285..1653		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11890	Strand	-
Start	1426	End	8577
Name	OJ990802_16.9C17.C11.o3.np	Method	AAT/NAP
Start	1426	End	5928
GI	6907089	Score	249
Exons	1426..1540, 4681..5086, 5155..5928		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11890	Strand	-
Start	1426	End	8577
Name	OJ990802_16.9C17.C11.o2.tw	Method	TBLASTX:Wheat
Start	1656	End	2234
GI	none	Score	238
Exons	1656..1943, 1667..1756, 1802..1909, 2103..2234		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11890	Strand	-
Start	1426	End	8577
Name	OJ990802_16.9C17.C11.o2.gs	Method	GENSCAN
Start	2833	End	6990
GI	none	Score	.49
Exons	2833..3192, 3289..3350, 3429..3610, 3729..4066, 4265..4321, 4343..4478, 4551..4609, 4693..4886, 4951..5079, 5169..5264, 5424..5925, 6940..6990		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11890	Strand	-
Start	1426	End	8577
Name	OJ990802_16.9C17.C11.o2.np	Method	AAT/NAP
Start	3728	End	5072
GI	6721561	Score	436
Exons	3728..4478, 4551..4607, 4693..4886, 5004..5072		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11890	Strand	-
Start	1426	End	8577
Name	OJ990802_16.9C17.C11.o4.np	Method	AAT/NAP
Start	4948	End	8577
GI	6721512	Score	129
Exons	4948..5008, 6495..6532, 6574..6660, 6687..6849, 8545..8577		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5639	Seq. ID	OJ990802_16.9C17.C11
Gene No.	11890	Strand	-
Start	1426	End	8577
Name	OJ990802_16.9C17.C11.o1.gp	Method	AAT/GAP
Start	8407	End	8509
GI	LIB3477-003-P1-K1-E9	Score	145
Exons	8407..8509		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11891	Strand	+
Start	1551	End	3980
Name	OJ990712_07.9C03.C1.o2.gs	Method	GENSCAN
Start	1551	End	3371
GI	none	Score	.73
Exons	1551..1696, 1942..1975, 2408..2569, 3210..3371		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11891	Strand	+
Start	1551	End	3980
Name	OJ990712_07.9C03.C1.o2.gp	Method	AAT/GAP
Start	2289	End	3371

GI	uC-osrocyp017b08b1	Score	807
Exons	2289..2569, 3210..3371		
GI Descrip.	'287938/emb|X54204|CVPRSET5C 6.0e-47 Cloning vector pRSET5c (pBluescript KS plus derivative)'		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11891	Strand	+
Start	1551	End	3980
Name	OJ990712_07.9C03.C1.o2.np	Method	AAT/NAP
Start	2504	End	3980
GI	1914685	Score	253
Exons	2504..2569, 3210..3371, 3962..3980		
GI Descrip.	(Y12014) RAD23 protein, isoform II [Daucus carota]		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11892	Strand	-
Start	1	End	1279
Name	OJ990712_07.9C03.C1.o1.np	Method	AAT/NAP
Start	1	End	826
GI	4680203	Score	867
Exons	1..826		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11892	Strand	-
Start	1	End	1279
Name	OJ990712_07.9C03.C1.o1.gs	Method	GENSCAN
Start	7	End	826
GI	none	Score	.41
Exons	7..355, 367..826		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11892	Strand	-
Start	1	End	1279
Name	OJ990712_07.9C03.C1.o1.ts	Method	TBLASTX:Soybean
Start	63	End	347
GI	none	Score	94
Exons	63..128, 135..347, 139..345		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11892	Strand	-
Start	1	End	1279
Name	OJ990712_07.9C03.C1.o1.tw	Method	TBLASTX:Wheat
Start	120	End	475
GI	none	Score	139
Exons	120..338, 133..333, 135..371, 136..384, 350..385, 368..475		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11892	Strand	-
Start	1	End	1279
Name	OJ990712_07.9C03.C1.o1.gp	Method	AAT/GAP
Start	687	End	1279
GI	2310235	Score	303
Exons	687..826, 1242..1279		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11893	Strand	
Start	2497	End	3390
Name	OJ990712_07.9C03.C1.o2.ts	Method	TBLASTX:Soybean
Start	2497	End	3390
GI	none	Score	107
Exons	2497..2574, 2498..2572, 3203..3370, 3204..3371, 3211..3390, 3241..3372		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11893	Strand	
Start	2497	End	3390
Name	OJ990712_07.9C03.C1.o1.tm	Method	TBLASTX:Maize
Start	2498	End	3373
GI	none	Score	119
Exons	2498..2572, 2499..2567, 3200..3370, 3204..3371, 3208..3372, 3209..3373		

Seq. No.	5640	Seq. ID	OJ990712_07.9C03.C1
Gene No.	11893	Strand	
Start	2497	End	3390
Name	OJ990712_07.9C03.C1.o1.tc	Method	TBLASTX:Cress
Start	2504	End	3372
GI	none	Score	93
Exons	2504..2572, 3203..3370, 3204..3371, 3213..3371, 3241..3372		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11894	Strand	+
Start	1	End	2925
Name	OJ990712_07.9C03.C2.o1.np	Method	AAT/NAP
Start	1	End	2504
GI	5640111	Score	508
Exons	1..115, 639..839, 899..1030, 1103..1168, 1657..1704, 1813..1922, 2209..2284, 2391..2504		
GI Descrip.	(AJ243875) RAD23 protein [Lycopersicon esculentum]		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11894	Strand	+
Start	1	End	2925
Name	OJ990712_07.9C03.C2.o1.gs	Method	GENSCAN
Start	183	End	2504
GI	none	Score	.9
Exons	183..227, 1813..1922, 2203..2284, 2391..2504		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11894	Strand	+
Start	1	End	2925
Name	OJ990712_07.9C03.C2.o1.gp	Method	AAT/GAP
Start	2396	End	2925
GI	uC-osrocyp017b08a1	Score	834
Exons	2396..2523, 2625..2925		
GI Descrip.	'4966345/gb|AAD34676.1|AC006341_4 9.0e-09 (AC006341) Similar to gb_Y12014 RAD23 protein isoform II from Daucus carota. This gene is probably cut off. EST gb_AA651284 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2

Gene No.	11895	Strand	+
Start	10270	End	14178
Name	OJ990712_07.9C03.C2.o3.gs	Method	GENSCAN
Start	10270	End	12741
GI	none	Score	.8
Exons	10270..10559, 10676..10765, 12041..12089, 12616..12741		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11895	Strand	+
Start	10270	End	14178
Name	OJ990712_07.9C03.C2.o3.np	Method	AAT/NAP
Start	10360	End	14166
GI	4115375	Score	652
Exons	10360..10733, 13620..14166		
GI Descrip.	(AC005967) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11895	Strand	+
Start	10270	End	14178
Name	OJ990712_07.9C03.C2.o4.gs	Method	GENSCAN
Start	13489	End	14178
GI	none	Score	.78
Exons	13489..14178		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11896	Strand	+
Start	16928	End	20727
Name	OJ990712_07.9C03.C2.o6.gs	Method	GENSCAN
Start	16928	End	20416
GI	none	Score	.81
Exons	16928..16959, 17113..17282, 17459..17561, 17759..17944, 18278..18434, 18533..20210, 20316..20416		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11896	Strand	+
Start	16928	End	20727
Name	OJ990712_07.9C03.C2.o4.np	Method	AAT/NAP
Start	18938	End	20727
GI	1091678	Score	719
Exons	18938..20727		
GI Descrip.	activator-like transposable element [Pennisetum glaucum]		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11897	Strand	-
Start	2855	End	5243
Name	OJ990712_07.9C03.C2.o2.gs	Method	GENSCAN
Start	2855	End	5216
GI	none	Score	.8
Exons	2855..2918, 3360..3427, 3546..3641, 3759..3848, 3919..4045, 4142..4197, 4362..4538, 4623..5216		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11897	Strand	-
Start	2855	End	5243
Name	OJ990712_07.9C03.C2.o2.np	Method	AAT/NAP
Start	3178	End	5243
GI	6587813	Score	625

Exons	3178..3250, 3360..3427, 3546..3641, 3759..3848, 3949..4045, 4142..4197, 4362..4538, 4623..4840, 4915..5243		
GI Descrip.	(AC010924) Contains similarity to gi|1171967 phosphodiesterase from Mus musculus and is a member of the PF|01167 Tub family. [Arabidopsis thaliana]		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11898	Strand	-
Start	14723	End	16693
Name	OJ990712_07.9C03.C2.o5.gs	Method	GENSCAN
Start	14723	End	16693
GI	none	Score	1
Exons	14723..16693		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11899	Strand	-
Start	17432	End	17912
Name	OJ990712_07.9C03.C2.o3.gp	Method	AAT/GAP
Start	17432	End	17912
GI	none	Score	823
Exons	17432..17617, 17640..17912		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o8.tm	Method	TBLASTX:Maize
Start	32	End	790
GI	none	Score	63
Exons	32..94, 184..228, 582..785, 647..790, 647..784, 666..785		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o6.ts	Method	TBLASTX:Soybean
Start	644	End	2501
GI	none	Score	217
Exons	644..802, 647..805, 1641..1703, 1654..1704, 1675..1704, 1803..1931, 1804..1923, 1810..1932, 2388..2501		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o6.tm	Method	TBLASTX:Maize
Start	1653	End	2568
GI	none	Score	84
Exons	1653..1703, 1654..1704, 1804..1923, 1810..1926, 2187..2285, 2192..2284, 2204..2287, 2245..2286, 2388..2504, 2390..2449, 2391..2504, 2392..2568		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o5.tc	Method	TBLASTX:Cress
Start	1866	End	2495
GI	none	Score	78
Exons	1866..1931, 1867..1923, 2225..2287, 2245..2301, 2388..2495, 2390..2446		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o7.tm	Method	TBLASTX:Maize
Start	3163	End	3617
GI	none	Score	56
Exons	3163..3249, 3172..3252, 3176..3271, 3357..3428, 3359..3475, 3362..3460, 3540..3617, 3541..3615		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o7.ts	Method	TBLASTX:Soybean
Start	3191	End	3647
GI	none	Score	64
Exons	3191..3247, 3193..3249, 3362..3445, 3366..3449, 3540..3593, 3541..3594, 3591..3647, 3592..3642		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o2.ts	Method	TBLASTX:Soybean
Start	10420	End	14145
GI	none	Score	177
Exons	10420..10560, 13561..14145, 13569..13748		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o6.tc	Method	TBLASTX:Cress
Start	10420	End	10560
GI	none	Score	186
Exons	10420..10560		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o5.tm	Method	TBLASTX:Maize
Start	10420	End	13742
GI	none	Score	230
Exons	10420..10560, 10426..10473, 10524..10559, 10670..10765, 13557..13718, 13558..13719, 13710..13742, 13711..13740		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o2.tm	Method	TBLASTX:Maize
Start	13821	End	14208
GI	none	Score	488
Exons	13821..14180, 13822..14208		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o2.tc	Method	TBLASTX:Cress
Start	13878	End	14142

GI	none	Score	267
Exons	13878..13916, 13879..14142, 14001..14078		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o1.ts	Method	TBLASTX:Soybean
Start	14861	End	15370
GI	none	Score	324
Exons	14861..15370, 14877..15365		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o1.tc	Method	TBLASTX:Cress
Start	15399	End	15679
GI	none	Score	139
Exons	15399..15599, 15422..15679		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o8.ts	Method	TBLASTX:Soybean
Start	15707	End	15907
GI	none	Score	195
Exons	15707..15907		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o4.tm	Method	TBLASTX:Maize
Start	18995	End	19210
GI	none	Score	310
Exons	18995..19210, 19005..19166, 19009..19203		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o5.ts	Method	TBLASTX:Soybean
Start	19004	End	19411
GI	none	Score	122
Exons	19004..19180, 19202..19411		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o1.tm	Method	TBLASTX:Maize
Start	19220	End	20555
GI	none	Score	172
Exons	19220..19420, 19415..20173, 19960..20139, 20381..20410, 20472..20555		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o1.tw	Method	TBLASTX:Wheat
Start	19502	End	19810

GI	none	Score	208
Exons	19502..19810, 19510..19617, 19685..19735		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o3.ts	Method	TBLASTX:Soybean
Start	19514	End	20116
GI	none	Score	298
Exons	19514..20116		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o4.tc	Method	TBLASTX:Cress
Start	19577	End	20017
GI	none	Score	191
Exons	19577..20017		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o3.tm	Method	TBLASTX:Maize
Start	23052	End	25114
GI	none	Score	45
Exons	23052..23078, 23054..23116, 23105..23263, 23181..23231, 23251..23370, 23252..23371, 23416..23631, 23417..23629, 23827..23895, 23829..23888, 23829..23900, 23830..23901, 23889..24023, 23890..24015, 23908..24042, 23945..24034, 24725..24916, 24727..24945, 24765..24944, 25033..25113, 25034..25114, 25037..25111, 25041..25112		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o4.gp	Method	AAT/GAP
Start	23052	End	23971
GI	13446_1.R1084	Score	1290
Exons	23052..23625, 23829..23971		
GI Descrip.	'3393062/emb|CAA76758.1| 5.0e-37 (Y17386) putative In2.1 protein [Triticum aestivum]'		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o5.np	Method	AAT/NAP
Start	23251	End	25537
GI	5725443	Score	631
Exons	23251..23625, 23829..24023, 24729..24944, 25040..25537		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o7.gs	Method	GENSCAN
Start	23263	End	25050
GI	none	Score	.97

Exons	23263..23625, 23829..24018, 25040..25050		
Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o4.ts	Method	TBLASTX:Soybean
Start	23404	End	23631
GI	none	Score	225
Exons	23404..23631, 23408..23629		
Seq. No.	5641	Seq. ID	OJ990712_07.9C03.C2
Gene No.	11900	Strand	-
Start	23263	End	25537
Name	OJ990712_07.9C03.C2.o3.tc	Method	TBLASTX:Cress
Start	23545	End	25114
GI	none	Score	81
Exons	23545..23631, 23546..23629, 23829..23888, 23830..23901, 23862..24023, 23943..24014, 24783..24944, 24784..24948, 24784..24945, 25034..25114		
Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11901	Strand	+
Start	962	End	1077
Name	OJ990712_07.9C03.C3.o1.gs	Method	GENSCAN
Start	962	End	1077
GI	none	Score	.53
Exons	962..1077		
Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11902	Strand	+
Start	7898	End	24929
Name	OJ990712_07.9C03.C3.o3.gs	Method	GENSCAN
Start	7898	End	24929
GI	none	Score	.58
Exons	7898..7961, 8712..8806, 8918..9027, 10965..11081, 11540..11686, 12951..13029, 13131..13304, 14448..14702, 15475..15645, 16072..16140, 16223..16351, 17248..17292, 19782..20031, 20122..20299, 20539..20815, 20826..20953, 21036..21142, 21543..21653, 22561..22640, 23205..23241, 23525..23566, 24841..24929		
Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11902	Strand	+
Start	7898	End	24929
Name	OJ990712_07.9C03.C3.o1.np	Method	AAT/NAP
Start	13131	End	18896
GI	3176674	Score	680
Exons	13131..13301, 14456..14702, 14809..14936, 15033..15076, 15178..15251, 15330..15398, 15475..15645, 15725..15790, 16072..16166, 18840..18896		
GI Descrip.	(AC003671) Contains similarity to Ste20-like kinase homolog from A. thaliana chromosome 4 contig gb|Z97336. [Arabidopsis thaliana]		
Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11902	Strand	+
Start	7898	End	24929

Name	OJ990712_07.9C03.C3.o2.np	Method	AAT/NAP
Start	20478	End	23917
GI	3738315	Score	465
Exons	20478..20729, 20826..20953, 21036..21073, 21543..21653, 22561..22640, 23205..23241, 23850..23917		
GI Descrip.	(AC005170) unknown protein [Arabidopsis thaliana]		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11902	Strand	+
Start	7898	End	24929
Name	OJ990712_07.9C03.C3.o2.gp	Method	AAT/GAP
Start	20569	End	22610
GI	uC-osf1cyp125d12b1	Score	839
Exons	20569..20729, 20826..20953, 21036..21073, 21543..21653, 22561..22610		
GI Descrip.	'3738315 2.0e-27 (AC005170) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11903	Strand	+
Start	32875	End	33015
Name	OJ990712_07.9C03.C3.o3.gp	Method	AAT/GAP
Start	32875	End	33015
GI	21474_1.R1084	Score	209
Exons	32875..33015		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11904	Strand	+
Start	38086	End	38728
Name	OJ990712_07.9C03.C3.o6.gs	Method	GENSCAN
Start	38086	End	38728
GI	none	Score	.92
Exons	38086..38265, 38342..38728		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11905	Strand	-
Start	26788	End	36962
Name	OJ990712_07.9C03.C3.o4.gs	Method	GENSCAN
Start	26788	End	29764
GI	none	Score	.95
Exons	26788..26997, 27876..28043, 28791..28955, 29408..29764		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11905	Strand	-
Start	26788	End	36962
Name	OJ990712_07.9C03.C3.o3.np	Method	AAT/NAP
Start	27617	End	36962
GI	4680204	Score	1023
Exons	27617..27655, 33284..33395, 33746..33952, 34049..34222, 34332..35430, 35526..36962		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11905	Strand	-
Start	26788	End	36962

Name	OJ990712_07.9C03.C3.o5.gs	Method	GENSCAN
Start	33224	End	36947
GI	none	Score	.83
Exons	33224..33412, 33685..33757, 33842..33952, 34049..34222, 34332..35163, 35289..35430, 35526..35939, 36009..36947		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o1.ts	Method	TBLASTX:Soybean
Start	14462	End	16146
GI	none	Score	282
Exons	14462..14701, 14463..14726, 14782..14883, 14893..14937, 14895..14936, 15025..15057, 15031..15057, 15164..15259, 15168..15245, 15326..15397, 15330..15413, 15472..15645, 15477..15530, 16069..16146		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o3.tc	Method	TBLASTX:Cress
Start	14562	End	15256
GI	none	Score	147
Exons	14562..14702, 14567..14698, 14808..14870, 14809..14883, 14893..14937, 14895..14936, 15031..15054, 15161..15256, 15162..15242, 15176..15250		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o2.tm	Method	TBLASTX:Maize
Start	14591	End	15627
GI	none	Score	108
Exons	14591..14719, 14592..14702, 14808..14870, 14809..14883, 14893..14937, 14895..14936, 15153..15245, 15167..15253, 15330..15407, 15468..15581, 15472..15627		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o3.tm	Method	TBLASTX:Maize
Start	20697	End	21589
GI	none	Score	64
Exons	20697..20735, 20699..20734, 20820..20933, 20825..20932, 21027..21077, 21034..21078, 21542..21589		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o4.tc	Method	TBLASTX:Cress
Start	20697	End	21652
GI	none	Score	58
Exons	20697..20738, 20807..20932, 20820..20933, 21034..21078, 21542..21565, 21566..21652		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-

Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o2.tc	Method	TBLASTX:Cress
Start	26908	End	29722
GI	none	Score	35
Exons	26908..27006, 29405..29599, 29415..29435, 29505..29597, 29639..29722		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o4.tw	Method	TBLASTX:Wheat
Start	26929	End	28854
GI	none	Score	58
Exons	26929..27009, 26930..26989, 27879..28043, 27881..28048, 27936..28049, 27967..28044, 28787..28837, 28788..28835, 28789..28854, 28789..28842		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o2.ts	Method	TBLASTX:Soybean
Start	29405	End	29722
GI	none	Score	121
Exons	29405..29599, 29409..29603, 29633..29722, 29643..29672		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o3.tw	Method	TBLASTX:Wheat
Start	29495	End	29725
GI	none	Score	160
Exons	29495..29599, 29496..29600, 29633..29725		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o6.tw	Method	TBLASTX:Wheat
Start	33883	End	34405
GI	none	Score	70
Exons	33883..33954, 34054..34236, 34061..34186, 34325..34405		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o5.tw	Method	TBLASTX:Wheat
Start	35218	End	35915
GI	none	Score	61
Exons	35218..35439, 35523..35594, 35835..35915		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o2.tw	Method	TBLASTX:Wheat
Start	35916	End	36319
GI	none	Score	51
Exons	35916..36086, 35917..35991, 36049..36216, 36081..36317, 36168..36317, 36209..36319		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o4.gp	Method	AAT/GAP
Start	38812	End	41094
GI	342_1.R1084	Score	4197
Exons	38812..41094		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o7.gs	Method	GENSCAN
Start	39515	End	41056
GI	none	Score	.99
Exons	39515..41056		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o1.tw	Method	TBLASTX:Wheat
Start	39590	End	40907
GI	none	Score	130
Exons	39590..39682, 39671..39751, 39764..39904, 39765..39905, 39852..39947, 39884..39943, 39950..39991, 39950..39994, 39989..40906, 40005..40907		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o4.np	Method	AAT/NAP
Start	40074	End	41094
GI	6742729	Score	1620
Exons	40074..41094		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o1.tc	Method	TBLASTX:Cress
Start	40171	End	40623
GI	none	Score	92
Exons	40171..40422, 40172..40321, 40172..40615, 40176..40619, 40182..40619, 40441..40623		

Seq. No.	5642	Seq. ID	OJ990712_07.9C03.C3
Gene No.	11906	Strand	-
Start	38812	End	41094
Name	OJ990712_07.9C03.C3.o1.tm	Method	TBLASTX:Maize
Start	40550	End	40864
GI	none	Score	68
Exons	40550..40780, 40550..40864, 40578..40853		

Seq. No.	5643	Seq. ID	OJ990712_07.9C03.C4
Gene No.	11907	Strand	-

Start	1	End	590
Name	OJ990712_07.9C03.C4.o1.np	Method	AAT/NAP
Start	1	End	590
GI	2980781	Score	305
Exons	1..590		
GI Descrip.	(AL022198) putative protein [Arabidopsis thaliana]		

Seq. No.	5643	Seq. ID	OJ990712_07.9C03.C4
Gene No.	11907	Strand	-
Start	1	End	590
Name	OJ990712_07.9C03.C4.o1.tm	Method	TBLASTX:Maize
Start	44	End	436
GI	none	Score	287
Exons	44..436, 47..397, 72..434		

Seq. No.	5643	Seq. ID	OJ990712_07.9C03.C4
Gene No.	11907	Strand	-
Start	1	End	590
Name	OJ990712_07.9C03.C4.o1.ts	Method	TBLASTX:Soybean
Start	107	End	526
GI	none	Score	101
Exons	107..526, 177..410		

Seq. No.	5643	Seq. ID	OJ990712_07.9C03.C4
Gene No.	11907	Strand	-
Start	1	End	590
Name	OJ990712_07.9C03.C4.o1.tc	Method	TBLASTX:Cress
Start	110	End	406
GI	none	Score	220
Exons	110..406		

Seq. No.	5644	Seq. ID	OJ990712_07.9C03.C5
Gene No.	11908	Strand	+
Start	215	End	280
Name	OJ990712_07.9C03.C5.o1.gs	Method	GENSCAN
Start	215	End	280
GI	none	Score	.99
Exons	215..280		

Seq. No.	5645	Seq. ID	OJ990712_07.9C03.C6
Gene No.	11909	Strand	+
Start	201	End	313
Name	OJ990712_07.9C03.C6.o1.gs	Method	GENSCAN
Start	201	End	313
GI	none	Score	.84
Exons	201..313		

Seq. No.	5646	Seq. ID	OJ990922_02.9C17.C1
Gene No.	11910	Strand	+
Start	1	End	268
Name	OJ990922_02.9C17.C1.o1.np	Method	AAT/NAP
Start	1	End	268
GI	6815062	Score	393
Exons	1..268		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	5647	Seq. ID	OJ990922_02.9C17.C2
Gene No.	11911	Strand	+
Start	777	End	5773
Name	OJ990922_02.9C17.C2.o1.gs	Method	GENSCAN
Start	777	End	5737
GI	none	Score	.65
Exons	777..809, 838..897, 1703..1849, 2468..2591, 3962..4227, 4307..4420, 4732..4858, 4964..5019, 5113..5169, 5261..5372, 5466..5503, 5636..5737		

Seq. No.	5647	Seq. ID	OJ990922_02.9C17.C2
Gene No.	11911	Strand	+
Start	777	End	5773
Name	OJ990922_02.9C17.C2.o1.gp	Method	AAT/GAP
Start	1220	End	1711
GI	none	Score	956
Exons	1220..1711		

Seq. No.	5647	Seq. ID	OJ990922_02.9C17.C2
Gene No.	11911	Strand	+
Start	777	End	5773
Name	OJ990922_02.9C17.C2.o2.np	Method	AAT/NAP
Start	4084	End	5773
GI	2506211	Score	655
Exons	4084..4161, 4732..4858, 4964..5019, 5113..5169, 5261..5372, 5466..5503, 5636..5773		
GI Descrip.	VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE 69 KD SUBUNIT) (VAA3-1) gi|849136 (U26709) vacuolar H+-ATPase subunit A [Vigna radiata]		

Seq. No.	5647	Seq. ID	OJ990922_02.9C17.C2
Gene No.	11911	Strand	+
Start	777	End	5773
Name	OJ990922_02.9C17.C2.o1.tm	Method	TBLASTX:Maize
Start	4101	End	5758
GI	none	Score	122
Exons	4101..4181, 4102..4182, 4724..4846, 4730..4846, 4731..4853, 4731..4853, 4732..4857, 4961..5017, 4962..5018, 4962..5018, 4963..5019, 4963..5031, 5110..5169, 5112..5168, 5246..5377, 5269..5373, 5292..5417, 5464..5499, 5464..5502, 5465..5518, 5635..5742, 5636..5758, 5636..5746		

Seq. No.	5647	Seq. ID	OJ990922_02.9C17.C2
Gene No.	11911	Strand	+
Start	777	End	5773
Name	OJ990922_02.9C17.C2.o1.ts	Method	TBLASTX:Soybean
Start	4101	End	5758
GI	none	Score	113
Exons	4101..4181, 4105..4182, 4731..4853, 4731..4853, 4732..4857, 4747..4857, 4961..5005, 4961..5005, 4962..5012, 4963..5019, 5102..5164, 5107..5169, 5112..5165, 5244..5351, 5246..5374, 5269..5373, 5461..5502, 5462..5521, 5483..5521, 5635..5742, 5636..5758		

Seq. No.	5647	Seq. ID	OJ990922_02.9C17.C2
Gene No.	11911	Strand	+

Start	777	End	5773
Name	OJ990922_02.9C17.C2.o1.tw	Method	TBLASTX:Wheat
Start	4101	End	4995
GI	none	Score	108
Exons	4101..4181, 4102..4182, 4724..4846, 4730..4846, 4731..4853, 4732..4857, 4963..4995, 4963..4995		

Seq. No.	5647	Seq. ID	OJ990922_02.9C17.C2
Gene No.	11911	Strand	+
Start	777	End	5773
Name	OJ990922_02.9C17.C2.o1.tc	Method	TBLASTX:Cress
Start	4105	End	5758
GI	none	Score	106
Exons	4105..4182, 4107..4181, 4731..4853, 4732..4857, 4962..5012, 4963..5019, 5107..5169, 5112..5165, 5246..5368, 5246..5359, 5269..5370, 5467..5502, 5471..5503, 5636..5758, 5636..5746		

Seq. No.	5647	Seq. ID	OJ990922_02.9C17.C2
Gene No.	11911	Strand	+
Start	777	End	5773
Name	OJ990922_02.9C17.C2.o2.gp	Method	AAT/GAP
Start	4728	End	5019
GI	uC-osf1M202095f05b1	Score	291
Exons	4728..4858, 4964..5019		
GI Descrip.	'137460/sp|P09469|VATA_DAUCA 2.0e-17 VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE 69 KD SUBUNIT) >gi_67952_pir__PXPZV9 H+-transporting ATPase (EC 3.6.1.35), vacuolar, 69K chain - carrot >gi_167560 (J03769) vacular H+-ATPase [Daucus carota]'		

Seq. No.	5647	Seq. ID	OJ990922_02.9C17.C2
Gene No.	11911	Strand	+
Start	777	End	5773
Name	OJ990922_02.9C17.C2.o3.gp	Method	AAT/GAP
Start	5664	End	5773
GI	uC-osf1cyp107e09b1	Score	138
Exons	5664..5773		
GI Descrip.	'1352830/sp|P49087|VATA_MAIZE 4.0e-61 VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE 69 KD SUBUNIT) >gi_1049253 (U36436) vacuolar ATPase 69 kDa subunit [Zea mays]'		

Seq. No.	5648	Seq. ID	OJ990922_02.9C17.C3
Gene No.	11912	Strand	+
Start	1	End	1260
Name	OJ990922_02.9C17.C3.o1.gp	Method	AAT/GAP
Start	1	End	1260
GI	14425_1.R1084	Score	589
Exons	1..24, 135..330, 893..1001, 1243..1260		
GI Descrip.	'1352830/sp|P49087|VATA_MAIZE 0.0e+00 VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE 69 KD SUBUNIT) >gi_1049253 (U36436) vacuolar ATPase 69 kDa subunit [Zea mays]'		

Seq. No.	5648	Seq. ID	OJ990922_02.9C17.C3
Gene No.	11912	Strand	+
Start	1	End	1260
Name	OJ990922_02.9C17.C3.o1.tm	Method	TBLASTX:Maize
Start	1	End	1065

GI	none	Score	38
Exons	1..24, 2..22, 126..338, 126..338, 134..346, 891..1001, 891..1049, 892..1065		

Seq. No.	5648	Seq. ID	OJ990922_02.9C17.C3
Gene No.	11912	Strand	+
Start	1	End	1260
Name	OJ990922_02.9C17.C3.o1.np	Method	AAT/NAP
Start	1	End	1065
GI	1352830	Score	464
Exons	1..24, 135..330, 893..1065		
GI Descrip.	VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE 69 KD SUBUNIT) gi|1049253 (U36436) vacuolar ATPase 69 kDa subunit [Zea mays]		

Seq. No.	5648	Seq. ID	OJ990922_02.9C17.C3
Gene No.	11912	Strand	+
Start	1	End	1260
Name	OJ990922_02.9C17.C3.o1.tc	Method	TBLASTX:Cress
Start	2	End	1065
GI	none	Score	338
Exons	2..22, 126..338, 126..338, 134..346, 891..1001, 891..995, 892..1065		

Seq. No.	5648	Seq. ID	OJ990922_02.9C17.C3
Gene No.	11912	Strand	+
Start	1	End	1260
Name	OJ990922_02.9C17.C3.o1.ts	Method	TBLASTX:Soybean
Start	124	End	1041
GI	none	Score	79
Exons	124..246, 125..346, 126..338, 206..340, 891..1001, 891..995, 892..1041, 892..999		

Seq. No.	5648	Seq. ID	OJ990922_02.9C17.C3
Gene No.	11912	Strand	+
Start	1	End	1260
Name	OJ990922_02.9C17.C3.o1.tw	Method	TBLASTX:Wheat
Start	126	End	346
GI	none	Score	334
Exons	126..338, 133..333, 134..346		

Seq. No.	5648	Seq. ID	OJ990922_02.9C17.C3
Gene No.	11912	Strand	+
Start	1	End	1260
Name	OJ990922_02.9C17.C3.o1.gs	Method	GENSCAN
Start	135	End	999
GI	none	Score	.58
Exons	135..330, 893..999		

Seq. No.	5649	Seq. ID	OJ990922_02.9C17.C5
Gene No.	11913	Strand	+
Start	36	End	1691
Name	OJ990922_02.9C17.C5.o1.gs	Method	GENSCAN
Start	36	End	1691
GI	none	Score	.71
Exons	36..269, 437..493, 643..716, 1505..1691		

Seq. No.	5649	Seq. ID	OJ990922_02.9C17.C5
Gene No.	11914	Strand	-
Start	4625	End	9938
Name	OJ990922_02.9C17.C5.o2.gs	Method	GENSCAN
Start	4625	End	9653
GI	none	Score	.83
Exons	4625..4734, 5631..5773, 7543..7649, 8314..8437, 8620..8759, 9164..9302, 9385..9653		

Seq. No.	5649	Seq. ID	OJ990922_02.9C17.C5
Gene No.	11914	Strand	-
Start	4625	End	9938
Name	OJ990922_02.9C17.C5.o1.np	Method	AAT/NAP
Start	8013	End	9916
GI	2961358	Score	646
Exons	8013..8160, 8314..8470, 8620..8765, 9173..9302, 9385..9643, 9748..9916		
GI Descrip.	(AL022140) serine/threonine protein kinase like protein [Arabidopsis thaliana]		

Seq. No.	5649	Seq. ID	OJ990922_02.9C17.C5
Gene No.	11914	Strand	-
Start	4625	End	9938
Name	OJ990922_02.9C17.C5.o1.ts	Method	TBLASTX:Soybean
Start	8101	End	9605
GI	none	Score	80
Exons	8101..8166, 8314..8460, 8330..8473, 8620..8748, 8622..8762, 8751..8786, 9188..9301, 9224..9301, 9382..9435, 9384..9605, 9505..9564		

Seq. No.	5649	Seq. ID	OJ990922_02.9C17.C5
Gene No.	11914	Strand	-
Start	4625	End	9938
Name	OJ990922_02.9C17.C5.o2.tm	Method	TBLASTX:Maize
Start	8101	End	9416
GI	none	Score	71
Exons	8101..8166, 8314..8472, 8317..8451, 8330..8473, 8583..8729, 8611..8721, 9167..9280, 9384..9416		

Seq. No.	5649	Seq. ID	OJ990922_02.9C17.C5
Gene No.	11914	Strand	-
Start	4625	End	9938
Name	OJ990922_02.9C17.C5.o1.gp	Method	AAT/GAP
Start	8397	End	9453
GI	uC-osroM202004f05b1	Score	764
Exons	8397..8470, 8620..8759, 9164..9302, 9385..9453		
GI Descrip.	'4262167/gb|AAD14467| 2.0e-37 (AC005275) putative LRR receptor-linked protein kinase [Arabidopsis thaliana]'		

Seq. No.	5649	Seq. ID	OJ990922_02.9C17.C5
Gene No.	11914	Strand	-
Start	4625	End	9938
Name	OJ990922_02.9C17.C5.o1.tc	Method	TBLASTX:Cress
Start	9161	End	9602
GI	none	Score	63
Exons	9161..9304, 9195..9281, 9384..9602		

Seq. No.	5649	Seq. ID	OJ990922_02.9C17.C5
Gene No.	11914	Strand	-
Start	4625	End	9938
Name	OJ990922_02.9C17.C5.o1.tm	Method	TBLASTX:Maize
Start	9422	End	9938
GI	none	Score	185
Exons	9422..9649, 9423..9650, 9755..9937, 9759..9938, 9761..9937, 9837..9938		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11915	Strand	+
Start	283	End	618
Name	OJ990922_02.9C17.C8.o1.gp	Method	AAT/GAP
Start	283	End	618
GI	3768996	Score	548
Exons	283..618		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11916	Strand	+
Start	3616	End	7013
Name	OJ990922_02.9C17.C8.o2.gs	Method	GENSCAN
Start	3616	End	7013
GI	none	Score	.84
Exons	3616..3767, 5579..5708, 5907..6015, 6082..6278, 6468..7013		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11916	Strand	+
Start	3616	End	7013
Name	OJ990922_02.9C17.C8.o2.np	Method	AAT/NAP
Start	5919	End	6989
GI	4680214	Score	247
Exons	5919..6015, 6082..6290, 6390..6821, 6855..6989		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11917	Strand	-
Start	531	End	2603
Name	OJ990922_02.9C17.C8.o1.gs	Method	GENSCAN
Start	531	End	2603
GI	none	Score	.92
Exons	531..846, 1009..1112, 1215..1327, 1652..1796, 1919..2006, 2557..2603		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11917	Strand	-
Start	531	End	2603
Name	OJ990922_02.9C17.C8.o1.np	Method	AAT/NAP
Start	534	End	1802
GI	2501433	Score	422
Exons	534..737, 993..1112, 1215..1327, 1423..1500, 1652..1802		
GI Descrip.	UBIQUITIN-CONJUGATING ENZYME E2-24 KD (UBIQUITIN-PROTEIN LIGASE) (UBIQUITIN CARRIER PROTEIN) (E2-EPF5) gi|181916 (M91670) ubiquitin carrier protein [Homo sapiens]		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11917	Strand	-
Start	531	End	2603

Name	OJ990922_02.9C17.C8.o2.gp	Method	AAT/GAP
Start	594	End	1062
GI	LIB3433-014-Q6-K1-E4	Score	569
Exons	594..846, 1009..1062		
GI Descrip.	'345829/pir||B42856 3.0e-18 ubiquitin carrier protein E2 - human'		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11917	Strand	-
Start	531	End	2603
Name	OJ990922_02.9C17.C8.o3.gp	Method	AAT/GAP
Start	1427	End	1973
GI	568877	Score	497
Exons	1427..1500, 1652..1796, 1919..1973		
GI Descrip.	345829/pir||B42856 3.0e-18 ubiquitin carrier protein E2 - human		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11918	Strand	-
Start	6022	End	8181
Name	OJ990922_02.9C17.C8.o1.tm	Method	TBLASTX:Maize
Start	494	End	1940
GI	none	Score	182
Exons	494..787, 511..849, 513..851, 993..1109, 995..1108, 1006..1113, 1008..1112, 1191..1328, 1207..1329, 1213..1380, 1214..1348, 1403..1507, 1422..1520, 1653..1796, 1654..1800, 1660..1803, 1917..1940		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11918	Strand	-
Start	6022	End	8181
Name	OJ990922_02.9C17.C8.o1.ts	Method	TBLASTX:Soybean
Start	531	End	1800
GI	none	Score	83
Exons	531..719, 618..821, 736..825, 825..851, 1008..1097, 1008..1112, 1009..1113, 1191..1328, 1207..1329, 1219..1365, 1220..1348, 1402..1503, 1403..1507, 1422..1520, 1653..1796, 1654..1800		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11918	Strand	-
Start	6022	End	8181
Name	OJ990922_02.9C17.C8.o1.tc	Method	TBLASTX:Cress
Start	753	End	1314
GI	none	Score	63
Exons	753..821, 763..825, 825..851, 1008..1112, 1009..1113, 1191..1313, 1198..1314		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11918	Strand	-
Start	6022	End	8181
Name	OJ990922_02.9C17.C8.o2.tc	Method	TBLASTX:Cress
Start	1403	End	1801
GI	none	Score	95
Exons	1403..1507, 1422..1511, 1653..1796, 1654..1800, 1655..1801		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11918	Strand	-
Start	6022	End	8181

Name	OJ990922_02.9C17.C8.o3.tm	Method	TBLASTX:Maize
Start	5934	End	6527
GI	none	Score	63
Exons	5934..6017, 6050..6223, 6081..6281, 6429..6527		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11918	Strand	-
Start	6022	End	8181
Name	OJ990922_02.9C17.C8.o3.np	Method	AAT/NAP
Start	6022	End	8181
GI	2213632	Score	642
Exons	6022..6053, 7501..8181		
GI Descrip.	(AC000103) F21J9.24 [Arabidopsis thaliana]		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11918	Strand	-
Start	6022	End	8181
Name	OJ990922_02.9C17.C8.o2.tw	Method	TBLASTX:Wheat
Start	7526	End	7739
GI	none	Score	72
Exons	7526..7738, 7563..7739		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11918	Strand	-
Start	6022	End	8181
Name	OJ990922_02.9C17.C8.o2.tm	Method	TBLASTX:Maize
Start	7541	End	8018
GI	none	Score	210
Exons	7541..7606, 7646..8017, 7647..8018		

Seq. No.	5650	Seq. ID	OJ990922_02.9C17.C8
Gene No.	11918	Strand	-
Start	6022	End	8181
Name	OJ990922_02.9C17.C8.o1.tw	Method	TBLASTX:Wheat
Start	7742	End	8146
GI	none	Score	182
Exons	7742..8146, 7812..8138		

Seq. No.	5651	Seq. ID	OJ990922_02.9C17.C9
Gene No.	11919	Strand	+
Start	3522	End	3887
Name	OJ990922_02.9C17.C9.o1.gp	Method	AAT/GAP
Start	3522	End	3887
GI	2280770	Score	694
Exons	3522..3887		

Seq. No.	5651	Seq. ID	OJ990922_02.9C17.C9
Gene No.	11920	Strand	+
Start	4825	End	5217
Name	OJ990922_02.9C17.C9.o2.gp	Method	AAT/GAP
Start	4825	End	5217
GI	426745	Score	782
Exons	4825..5217		

Seq. No.	5651	Seq. ID	OJ990922_02.9C17.C9
Gene No.	11921	Strand	-
Start	313	End	6339

Name	OJ990922_02.9C17.C9.o1.gs	Method	GENSCAN
Start	313	End	6339
GI	none	Score	.72
Exons	313..572, 756..918, 975..1102, 1691..1832, 3221..3409, 3488..3942, 4861..4979, 5104..5426, 6086..6339		

Seq. No.	5651	Seq. ID	OJ990922_02.9C17.C9
Gene No.	11921	Strand	-
Start	313	End	6339
Name	OJ990922_02.9C17.C9.o1.tc	Method	TBLASTX:Cress
Start	4900	End	5103
GI	none	Score	211
Exons	4900..5103, 4953..5099		

Seq. No.	5651	Seq. ID	OJ990922_02.9C17.C9
Gene No.	11921	Strand	-
Start	313	End	6339
Name	OJ990922_02.9C17.C9.o1.ts	Method	TBLASTX:Soybean
Start	4930	End	5103
GI	none	Score	199
Exons	4930..5103, 4953..5096		

Seq. No.	5652	Seq. ID	OJ990922_02.9C17.C10
Gene No.	11922	Strand	-
Start	1522	End	3654
Name	OJ990922_02.9C17.C10.o1.tc	Method	TBLASTX:Cress
Start	1519	End	3423
GI	none	Score	54
Exons	1519..1584, 1526..1585, 1674..1766, 1675..1752, 1867..2031, 1874..2050, 1910..2044, 2128..2217, 2129..2218, 2138..2224, 3245..3379, 3250..3423		

Seq. No.	5652	Seq. ID	OJ990922_02.9C17.C10
Gene No.	11922	Strand	-
Start	1522	End	3654
Name	OJ990922_02.9C17.C10.o1.ts	Method	TBLASTX:Soybean
Start	1519	End	2217
GI	none	Score	66
Exons	1519..1584, 1526..1597, 1674..1760, 1675..1752, 1867..2031, 1871..2032, 1873..2028, 1877..2050, 2121..2213, 2128..2217, 2129..2203		

Seq. No.	5652	Seq. ID	OJ990922_02.9C17.C10
Gene No.	11922	Strand	-
Start	1522	End	3654
Name	OJ990922_02.9C17.C10.o1.tm	Method	TBLASTX:Maize
Start	1520	End	3342
GI	none	Score	59
Exons	1520..1588, 1522..1584, 1677..1766, 1678..1755, 1867..2031, 1877..2050, 2128..2217, 2129..2215, 3244..3342, 3263..3337		

Seq. No.	5652	Seq. ID	OJ990922_02.9C17.C10
Gene No.	11922	Strand	-
Start	1522	End	3654
Name	OJ990922_02.9C17.C10.o1.np	Method	AAT/NAP
Start	1522	End	3654
GI	3377507	Score	625

Exons	1522..1585, 1675..1751, 1873..2030, 2130..2215, 3254..3443, 3597..3654		
GI Descrip.	(AF056026) auxin transport protein EIR1 [Arabidopsis thaliana] gi|3661620 (AF093241) putative auxin efflux carrier AGR [Arabidopsis thaliana] gi|3746886 (AF087459) polar-auxin-transport efflux component AGRAVITROPIC 1 [Arabidopsis thaliana] gi|4206709 (AF086906) root gravitropism control protein [Arabidopsis thaliana]		

Seq. No.	5652	Seq. ID	OJ990922_02.9C17.C10
Gene No.	11922	Strand	-
Start	1522	End	3654
Name	OJ990922_02.9C17.C10.o1.tw	Method	TBLASTX:Wheat
Start	1677	End	3342
GI	none	Score	42
Exons	1677..1760, 1678..1755, 1867..2037, 1872..1895, 1880..2044, 2128..2217, 2129..2218, 3250..3342		

Seq. No.	5652	Seq. ID	OJ990922_02.9C17.C10
Gene No.	11922	Strand	-
Start	1522	End	3654
Name	OJ990922_02.9C17.C10.o2.ts	Method	TBLASTX:Soybean
Start	3250	End	3373
GI	none	Score	139
Exons	3250..3372, 3251..3373		

Seq. No.	5653	Seq. ID	OJ990922_02.9C17.C11
Gene No.	11923	Strand	+
Start	234	End	951
Name	OJ990922_02.9C17.C11.o1.gp	Method	AAT/GAP
Start	234	End	951
GI	26438_1.R1084	Score	426
Exons	234..524, 889..951		
GI Descrip.	'5777612/emb|AJ245900.1|OSA245900 3.0e-22 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	5653	Seq. ID	OJ990922_02.9C17.C11
Gene No.	11924	Strand	-
Start	1	End	1011
Name	OJ990922_02.9C17.C11.o1.np	Method	AAT/NAP
Start	1	End	1010
GI	4322486	Score	1004
Exons	1..1010		
GI Descrip.	(AF086907) root gravitropism control protein [Arabidopsis thaliana]		

Seq. No.	5653	Seq. ID	OJ990922_02.9C17.C11
Gene No.	11924	Strand	-
Start	1	End	1011
Name	OJ990922_02.9C17.C11.o1.gs	Method	GENSCAN
Start	132	End	1010
GI	none	Score	.89
Exons	132..1010		

Seq. No.	5653	Seq. ID	OJ990922_02.9C17.C11
Gene No.	11924	Strand	-
Start	1	End	1011

Name	OJ990922_02.9C17.C11.o1.tc	Method	TBLASTX:Cress
Start	141	End	1011
GI	none	Score	119
Exons	141..278, 166..279, 186..251, 366..488, 469..693, 474..698, 742..1011, 744..1010		

Seq. No.	5653	Seq. ID	OJ990922_02.9C17.C11
Gene No.	11924	Strand	-
Start	1	End	1011
Name	OJ990922_02.9C17.C11.o1.ts	Method	TBLASTX:Soybean
Start	366	End	689
GI	none	Score	85
Exons	366..488, 465..557, 465..689, 490..684, 603..689		

Seq. No.	5653	Seq. ID	OJ990922_02.9C17.C11
Gene No.	11924	Strand	-
Start	1	End	1011
Name	OJ990922_02.9C17.C11.o2.tm	Method	TBLASTX:Maize
Start	423	End	647
GI	none	Score	208
Exons	423..488, 472..645, 474..647		

Seq. No.	5653	Seq. ID	OJ990922_02.9C17.C11
Gene No.	11924	Strand	-
Start	1	End	1011
Name	OJ990922_02.9C17.C11.o1.tm	Method	TBLASTX:Maize
Start	648	End	1011
GI	none	Score	54
Exons	648..695, 648..698, 726..1010, 727..1011		

Seq. No.	5653	Seq. ID	OJ990922_02.9C17.C11
Gene No.	11924	Strand	-
Start	1	End	1011
Name	OJ990922_02.9C17.C11.o2.ts	Method	TBLASTX:Soybean
Start	726	End	1011
GI	none	Score	207
Exons	726..1010, 739..1011		

Seq. No.	5654	Seq. ID	OJ990922_02.9C17.C12
Gene No.	11925	Strand	+
Start	273	End	320
Name	OJ990922_02.9C17.C12.o1.gs	Method	GENSCAN
Start	273	End	320
GI	none	Score	.4
Exons	273..320		

Seq. No.	5655	Seq. ID	OJ990922_02.9C17.C14
Gene No.	11926	Strand	+
Start	1	End	2405
Name	OJ990922_02.9C17.C14.o1.np	Method	AAT/NAP
Start	1	End	1387
GI	3047089	Score	345
Exons	1..340, 563..626, 1205..1387		
GI Descrip.	(AF058826) contains similarity to pseudouridylate synthases [Arabidopsis thaliana]		

Seq. No.	5655	Seq. ID	OJ990922_02.9C17.C14

Gene No.	11926	Strand	+
Start	1	End	2405
Name	OJ990922_02.9C17.C14.o1.gs	Method	GENSCAN
Start	306	End	2405
GI	none	Score	.6
Exons	306..340, 563..632, 1051..1116, 1205..1374, 2270..2405		

Seq. No.	5656	Seq. ID	OJ990922_02.9C17.C15
Gene No.	11927	Strand	+
Start	1	End	2926
Name	OJ990922_02.9C17.C15.o1.np	Method	AAT/NAP
Start	1	End	2926
GI	3047095	Score	799
Exons	1..394, 1679..1856, 1910..2418, 2516..2710, 2798..2926		
GI Descrip.	(AF058826) similar to eukaryotic protein kinase domains (Pfam: pkinase.hmm, score: 72.39) [Arabidopsis thaliana]		

Seq. No.	5656	Seq. ID	OJ990922_02.9C17.C15
Gene No.	11927	Strand	+
Start	1	End	2926
Name	OJ990922_02.9C17.C15.o1.gs	Method	GENSCAN
Start	4	End	2889
GI	none	Score	.76
Exons	4..394, 1679..2214, 2329..2395, 2499..2783, 2798..2889		

Seq. No.	5656	Seq. ID	OJ990922_02.9C17.C15
Gene No.	11927	Strand	+
Start	1	End	2926
Name	OJ990922_02.9C17.C15.o2.tm	Method	TBLASTX:Maize
Start	2056	End	2575
GI	none	Score	136
Exons	2056..2217, 2317..2394, 2516..2575		

Seq. No.	5656	Seq. ID	OJ990922_02.9C17.C15
Gene No.	11927	Strand	+
Start	1	End	2926
Name	OJ990922_02.9C17.C15.o1.ts	Method	TBLASTX:Soybean
Start	2098	End	2701
GI	none	Score	116
Exons	2098..2217, 2317..2406, 2498..2701		

Seq. No.	5656	Seq. ID	OJ990922_02.9C17.C15
Gene No.	11927	Strand	+
Start	1	End	2926
Name	OJ990922_02.9C17.C15.o1.tm	Method	TBLASTX:Maize
Start	2575	End	2910
GI	none	Score	187
Exons	2575..2715, 2576..2713, 2812..2910, 2814..2909		

Seq. No.	5657	Seq. ID	OJ990922_02.9C17.C16
Gene No.	11928	Strand	+
Start	1928	End	2203
Name	OJ990922_02.9C17.C16.o1.np	Method	AAT/NAP
Start	1928	End	2203
GI	126386	Score	177
Exons	1928..2203		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291		

pollen allergen Lol p IIA - perennial ryegrass

Seq. No.	5657	Seq. ID	OJ990922_02.9C17.C16
Gene No.	11929	Strand	-
Start	3580	End	4110
Name	OJ990922_02.9C17.C16.o1.tm	Method	TBLASTX:Maize
Start	1861	End	2247
GI	none	Score	36
Exons	1861..1905, 1874..1966, 1893..1967, 1918..2040, 1919..2041, 2048..2224, 2048..2122, 2098..2247		

Seq. No.	5657	Seq. ID	OJ990922_02.9C17.C16
Gene No.	11929	Strand	-
Start	3580	End	4110
Name	OJ990922_02.9C17.C16.o2.np	Method	AAT/NAP
Start	3580	End	4110
GI	6227014	Score	150
Exons	3580..3679, 3889..4110		
GI Descrip.	(AC009513) Similar to gb|X94625 amp-binding protein from Brassica napus and is a member of the PF|00501 AMP-binding enzymes. [Arabidopsis thaliana]		

Seq. No.	5658	Seq. ID	OJ990922_02.9C17.C17
Gene No.	11930	Strand	+
Start	1143	End	1894
Name	OJ990922_02.9C17.C17.o1.gs	Method	GENSCAN
Start	1143	End	1541
GI	none	Score	.52
Exons	1143..1541		

Seq. No.	5658	Seq. ID	OJ990922_02.9C17.C17
Gene No.	11930	Strand	+
Start	1143	End	1894
Name	OJ990922_02.9C17.C17.o1.gp	Method	AAT/GAP
Start	1183	End	1894
GI	none	Score	1314
Exons	1183..1894		

Seq. No.	5658	Seq. ID	OJ990922_02.9C17.C17
Gene No.	11930	Strand	+
Start	1143	End	1894
Name	OJ990922_02.9C17.C17.o1.np	Method	AAT/NAP
Start	1245	End	1526
GI	126386	Score	159
Exons	1245..1526		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291 pollen allergen Lol p IIA - perennial ryegrass		

Seq. No.	5658	Seq. ID	OJ990922_02.9C17.C17
Gene No.	11931	Strand	+
Start	2903	End	4857
Name	OJ990922_02.9C17.C17.o2.gs	Method	GENSCAN
Start	2903	End	3792
GI	none	Score	.94
Exons	2903..3199, 3286..3604, 3749..3792		

Seq. No.	5658	Seq. ID	OJ990922_02.9C17.C17

Gene No.	11931	Strand	+
Start	2903	End	4857
Name	OJ990922_02.9C17.C17.o2.np	Method	AAT/NAP
Start	3325	End	4857
GI	556409	Score	150
Exons	3325..3865, 4270..4359, 4615..4857		
GI Descrip.	(L34551) transcriptional activator protein [Oryza sativa]		

Seq. No.	5658	Seq. ID	OJ990922_02.9C17.C17
Gene No.	11932	Strand	-
Start	4236	End	5799
Name	OJ990922_02.9C17.C17.o1.tm	Method	TBLASTX:Maize
Start	1171	End	1535
GI	none	Score	63
Exons	1171..1293, 1188..1367, 1190..1384, 1219..1368, 1371..1535, 1373..1525		

Seq. No.	5658	Seq. ID	OJ990922_02.9C17.C17
Gene No.	11932	Strand	-
Start	4236	End	5799
Name	OJ990922_02.9C17.C17.o3.gs	Method	GENSCAN
Start	4236	End	5799
GI	none	Score	.93
Exons	4236..4421, 4593..4748, 4796..4915, 5791..5799		

Seq. No.	5658	Seq. ID	OJ990922_02.9C17.C17
Gene No.	11932	Strand	-
Start	4236	End	5799
Name	OJ990922_02.9C17.C17.o2.tm	Method	TBLASTX:Maize
Start	4278	End	4890
GI	none	Score	88
Exons	4278..4361, 4279..4362, 4280..4339, 4281..4367, 4603..4731, 4606..4728, 4613..4729, 4614..4730, 4759..4890, 4768..4878, 4787..4882		

Seq. No.	5659	Seq. ID	OJ990922_02.9C17.C19
Gene No.	11933	Strand	+
Start	1	End	945
Name	OJ990922_02.9C17.C19.o1.gp	Method	AAT/GAP
Start	1	End	943
GI	14425_1.R1084	Score	668
Exons	1..22, 123..209, 288..393, 658..755, 863..943		
GI Descrip.	'1352830/sp|P49087|VATA_MAIZE 0.0e+00 VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE 69 KD SUBUNIT) >gi_1049253 (U36436) vacuolar ATPase 69 kDa subunit [Zea mays]'		

Seq. No.	5659	Seq. ID	OJ990922_02.9C17.C19
Gene No.	11933	Strand	+
Start	1	End	945
Name	OJ990922_02.9C17.C19.o1.np	Method	AAT/NAP
Start	1	End	941
GI	1352830	Score	480
Exons	1..22, 123..209, 288..393, 658..755, 863..941		
GI Descrip.	VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE 69 KD SUBUNIT) gi|1049253 (U36436) vacuolar ATPase 69 kDa subunit [Zea mays]		

Seq. No.	5659	Seq. ID	OJ990922_02.9C17.C19
Gene No.	11933	Strand	+
Start	1	End	945
Name	OJ990922_02.9C17.C19.o1.tc	Method	TBLASTX:Cress
Start	1	End	942
GI	none	Score	34
Exons	1..24, 2..25, 111..224, 119..205, 286..327, 287..343, 288..347, 334..396, 342..395, 641..733, 655..756, 656..730, 658..750, 862..921, 864..941, 864..941, 865..942		

Seq. No.	5659	Seq. ID	OJ990922_02.9C17.C19
Gene No.	11933	Strand	+
Start	1	End	945
Name	OJ990922_02.9C17.C19.o1.tm	Method	TBLASTX:Maize
Start	2	End	941
GI	none	Score	34
Exons	2..25, 111..224, 120..203, 122..205, 287..343, 288..347, 334..396, 342..389, 647..754, 655..756, 657..758, 658..753, 863..940, 864..941, 864..941		

Seq. No.	5659	Seq. ID	OJ990922_02.9C17.C19
Gene No.	11933	Strand	+
Start	1	End	945
Name	OJ990922_02.9C17.C19.o2.ts	Method	TBLASTX:Soybean
Start	2	End	396
GI	none	Score	34
Exons	2..25, 111..224, 120..206, 122..223, 286..327, 287..343, 288..347, 334..396, 342..389		

Seq. No.	5659	Seq. ID	OJ990922_02.9C17.C19
Gene No.	11933	Strand	+
Start	1	End	945
Name	OJ990922_02.9C17.C19.o1.tw	Method	TBLASTX:Wheat
Start	118	End	710
GI	none	Score	120
Exons	118..210, 126..206, 155..211, 287..343, 291..347, 334..390, 342..389, 655..708, 657..710, 658..708		

Seq. No.	5659	Seq. ID	OJ990922_02.9C17.C19
Gene No.	11933	Strand	+
Start	1	End	945
Name	OJ990922_02.9C17.C19.o1.gs	Method	GENSCAN
Start	288	End	755
GI	none	Score	.87
Exons	288..393, 589..755		

Seq. No.	5659	Seq. ID	OJ990922_02.9C17.C19
Gene No.	11933	Strand	+
Start	1	End	945
Name	OJ990922_02.9C17.C19.o1.ts	Method	TBLASTX:Soybean
Start	655	End	945
GI	none	Score	159
Exons	655..759, 657..758, 855..944, 858..944, 862..945		

Seq. No.	5660	Seq. ID	OJ990922_02.9C17.C20
Gene No.	11934	Strand	-
Start	1	End	1180

Name	OJ990922_02.9C17.C20.o1.np	Method	AAT/NAP
Start	1	End	1180
GI	5441880	Score	207
Exons	1..257, 922..1180		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5661	Seq. ID	OJ990922_02.9C17.C21
Gene No.	11935	Strand	-
Start	1	End	739
Name	OJ990922_02.9C17.C21.o1.np	Method	AAT/NAP
Start	1	End	739
GI	5441880	Score	341
Exons	1..661, 689..739		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5661	Seq. ID	OJ990922_02.9C17.C21
Gene No.	11935	Strand	-
Start	1	End	739
Name	OJ990922_02.9C17.C21.o1.gs	Method	GENSCAN
Start	193	End	735
GI	none	Score	.86
Exons	193..735		

Seq. No.	5662	Seq. ID	OJ990922_02.9C17.C22
Gene No.	11936	Strand	-
Start	292	End	2910
Name	OJ990922_02.9C17.C22.o1.gs	Method	GENSCAN
Start	292	End	2757
GI	none	Score	.67
Exons	292..372, 518..608, 795..866, 944..1044, 1243..1263, 1682..1780, 2413..2757		

Seq. No.	5662	Seq. ID	OJ990922_02.9C17.C22
Gene No.	11936	Strand	-
Start	292	End	2910
Name	OJ990922_02.9C17.C22.o2.tm	Method	TBLASTX:Maize
Start	292	End	1784
GI	none	Score	107
Exons	292..375, 292..372, 294..374, 518..607, 518..607, 519..608, 793..876, 795..878, 797..880, 797..877, 941..1045, 942..1046, 945..1046, 946..1047, 946..1047, 1676..1783, 1680..1784		

Seq. No.	5662	Seq. ID	OJ990922_02.9C17.C22
Gene No.	11936	Strand	-
Start	292	End	2910
Name	OJ990922_02.9C17.C22.o1.np	Method	AAT/NAP
Start	295	End	2797
GI	3176725	Score	647
Exons	295..372, 518..608, 795..866, 944..1044, 1682..1780, 2413..2797		
GI Descrip.	(AC002392) unknown protein [Arabidopsis thaliana]		

Seq. No.	5662	Seq. ID	OJ990922_02.9C17.C22
Gene No.	11936	Strand	-

Start	292	End	2910
Name	OJ990922_02.9C17.C22.o1.ts	Method	TBLASTX:Soybean
Start	301	End	1772
GI	none	Score	79
Exons	301..372, 518..607, 522..608, 797..874, 797..886, 946..1044, 960..1058, 969..1046, 1676..1771, 1677..1772		

Seq. No.	5662	Seq. ID	OJ990922_02.9C17.C22
Gene No.	11936	Strand	-
Start	292	End	2910
Name	OJ990922_02.9C17.C22.o1.tm	Method	TBLASTX:Maize
Start	2381	End	2751
GI	none	Score	67
Exons	2381..2500, 2383..2487, 2383..2580, 2384..2602, 2602..2751		

Seq. No.	5662	Seq. ID	OJ990922_02.9C17.C22
Gene No.	11936	Strand	-
Start	292	End	2910
Name	OJ990922_02.9C17.C22.o1.tw	Method	TBLASTX:Wheat
Start	2518	End	2910
GI	none	Score	231
Exons	2518..2766, 2519..2773, 2540..2776, 2757..2810, 2875..2910		

Seq. No.	5663	Seq. ID	OJ990922_02.9C17.C23
Gene No.	11937	Strand	+
Start	371	End	510
Name	OJ990922_02.9C17.C23.o1.gs	Method	GENSCAN
Start	371	End	510
GI	none	Score	.84
Exons	371..380, 416..510		

Seq. No.	5663	Seq. ID	OJ990922_02.9C17.C23
Gene No.	11938	Strand	-
Start	308	End	918
Name	OJ990922_02.9C17.C23.o1.gp	Method	AAT/GAP
Start	308	End	918
GI	14425_1.R1084	Score	932
Exons	308..732, 828..918		
GI Descrip.	'1352830/sp|P49087|VATA_MAIZE 0.0e+00 VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE 69 KD SUBUNIT) >gi_1049253 (U36436) vacuolar ATPase 69 kDa subunit [Zea mays]'		

Seq. No.	5663	Seq. ID	OJ990922_02.9C17.C23
Gene No.	11938	Strand	-
Start	308	End	918
Name	OJ990922_02.9C17.C23.o1.tm	Method	TBLASTX:Maize
Start	328	End	916
GI	none	Score	64
Exons	328..387, 605..727, 606..728, 606..731, 610..732, 827..883, 828..884, 877..915, 878..916		

Seq. No.	5663	Seq. ID	OJ990922_02.9C17.C23
Gene No.	11938	Strand	-
Start	308	End	918
Name	OJ990922_02.9C17.C23.o1.ts	Method	TBLASTX:Soybean
Start	597	End	915
GI	none	Score	133

Exons	597..731, 619..732, 827..883, 828..866, 877..915		
Seq. No.	5663	Seq. ID	OJ990922_02.9C17.C23
Gene No.	11938	Strand	-
Start	308	End	918
Name	OJ990922_02.9C17.C23.o1.tc	Method	TBLASTX:Cress
Start	615	End	915
GI	none	Score	86
Exons	615..731, 621..731, 628..732, 827..883, 828..884, 877..915		
Seq. No.	5663	Seq. ID	OJ990922_02.9C17.C23
Gene No.	11938	Strand	-
Start	308	End	918
Name	OJ990922_02.9C17.C23.o2.gs	Method	GENSCAN
Start	618	End	732
GI	none	Score	1
Exons	618..732		
Seq. No.	5663	Seq. ID	OJ990922_02.9C17.C23
Gene No.	11938	Strand	-
Start	308	End	918
Name	OJ990922_02.9C17.C23.o1.np	Method	AAT/NAP
Start	621	End	915
GI	2493123	Score	238
Exons	621..732, 828..915		
GI Descrip.	VACUOLAR ATP SYNTHASE CATALYTIC SUBUNIT A (V-ATPASE 69 KD SUBUNIT) gi|1051258 (U36939) vacuolar ATPase catalytic subunit [Hordeum vulgare]		
Seq. No.	5664	Seq. ID	OJ990922_02.9C17.C24
Gene No.	11939	Strand	-
Start	195	End	2340
Name	OJ990922_02.9C17.C24.o1.gs	Method	GENSCAN
Start	195	End	2336
GI	none	Score	.54
Exons	195..1168, 1527..1703, 2233..2336		
Seq. No.	5664	Seq. ID	OJ990922_02.9C17.C24
Gene No.	11939	Strand	-
Start	195	End	2340
Name	OJ990922_02.9C17.C24.o1.ts	Method	TBLASTX:Soybean
Start	246	End	1004
GI	none	Score	119
Exons	246..284, 306..833, 331..516, 562..837, 834..1001, 838..897, 840..1004		
Seq. No.	5664	Seq. ID	OJ990922_02.9C17.C24
Gene No.	11939	Strand	-
Start	195	End	2340
Name	OJ990922_02.9C17.C24.o1.np	Method	AAT/NAP
Start	284	End	2340
GI	4914419	Score	1005
Exons	284..1168, 1527..1703, 2233..2340		
GI Descrip.	(AL050352) putative protein [Arabidopsis thaliana]		
Seq. No.	5664	Seq. ID	OJ990922_02.9C17.C24
Gene No.	11939	Strand	-

Start	195	End	2340
Name	OJ990922_02.9C17.C24.o1.tc	Method	TBLASTX:Cress
Start	561	End	761
GI	none	Score	120
Exons	561..761, 562..753		

Seq. No.	5664	Seq. ID	OJ990922_02.9C17.C24
Gene No.	11939	Strand	-
Start	195	End	2340
Name	OJ990922_02.9C17.C24.o2.tc	Method	TBLASTX:Cress
Start	1041	End	1689
GI	none	Score	91
Exons	1041..1169, 1523..1684, 1525..1689		

Seq. No.	5664	Seq. ID	OJ990922_02.9C17.C24
Gene No.	11939	Strand	-
Start	195	End	2340
Name	OJ990922_02.9C17.C24.o2.ts	Method	TBLASTX:Soybean
Start	1059	End	2326
GI	none	Score	55
Exons	1059..1169, 1129..1170, 1523..1711, 1525..1710, 2234..2326		

Seq. No.	5665	Seq. ID	OJ990922_02.9C17.C25
Gene No.	11940	Strand	+
Start	5416	End	5854
Name	OJ990922_02.9C17.C25.o1.tm	Method	TBLASTX:Maize
Start	4145	End	5552
GI	none	Score	40
Exons	4145..4165, 4146..4187, 4147..4191, 4269..4406, 4269..4406, 4270..4407, 5244..5279, 5245..5274, 5360..5548, 5361..5552, 5362..5547		

Seq. No.	5665	Seq. ID	OJ990922_02.9C17.C25
Gene No.	11940	Strand	+
Start	5416	End	5854
Name	OJ990922_02.9C17.C25.o1.gp	Method	AAT/GAP
Start	5416	End	5854
GI	2798320	Score	789
Exons	5416..5854		

Seq. No.	5666	Seq. ID	OJ990922_02.9C17.C26
Gene No.	11941	Strand	+
Start	1129	End	1257
Name	OJ990922_02.9C17.C26.o1.gs	Method	GENSCAN
Start	1129	End	1257
GI	none	Score	.68
Exons	1129..1257		

Seq. No.	5666	Seq. ID	OJ990922_02.9C17.C26
Gene No.	11942	Strand	-
Start	1	End	1374
Name	OJ990922_02.9C17.C26.o1.np	Method	AAT/NAP
Start	1	End	1374
GI	1652848	Score	367
Exons	1..45, 138..214, 387..463, 673..719, 790..1028, 1176..1242, 1325..1374		
GI Descrip.	(D90909) DNA photolyase [Synechocystis sp.]		

Seq. No.	5666	Seq. ID	OJ990922_02.9C17.C26
Gene No.	11942	Strand	-
Start	1	End	1374
Name	OJ990922_02.9C17.C26.o1.ts	Method	TBLASTX:Soybean
Start	663	End	963
GI	none	Score	105
Exons	663..722, 752..889, 787..873,	907..963,	914..961

Seq. No.	5666	Seq. ID	OJ990922_02.9C17.C26
Gene No.	11942	Strand	-
Start	1	End	1374
Name	OJ990922_02.9C17.C26.o1.tm	Method	TBLASTX:Maize
Start	672	End	1241
GI	none	Score	79
Exons	672..722, 673..720, 782..976, 787..981, 788..985, 1111..1236, 1115..1237, 1124..1240, 1128..1241		

Seq. No.	5667	Seq. ID	OJ990922_02.9C17.C27
Gene No.	11943	Strand	-
Start	1	End	1786
Name	OJ990922_02.9C17.C27.o1.gp	Method	AAT/GAP
Start	1	End	694
GI	LIB3432-058-P1-K1-D3	Score	708
Exons	1..144, 302..441, 579..694		
GI Descrip.	'2529668 3.0e-26 (AC002535) putative photolyase/blue-light receptor [Arabidopsis thaliana] >gi_3319288 (AF053366) photolyase/blue light photoreceptor PHR2 [Arabidopsis thaliana]'		

Seq. No.	5667	Seq. ID	OJ990922_02.9C17.C27
Gene No.	11943	Strand	-
Start	1	End	1786
Name	OJ990922_02.9C17.C27.o1.np	Method	AAT/NAP
Start	1	End	1786
GI	2529668	Score	166
Exons	1..57, 100..144, 302..441, 579..728, 910..1097, 1747..1786		
GI Descrip.	(AC002535) photolyase/blue-light receptor (PHR2) [Arabidopsis thaliana] gi|3319288 (AF053366) photolyase/blue light photoreceptor PHR2 [Arabidopsis thaliana]		

Seq. No.	5667	Seq. ID	OJ990922_02.9C17.C27
Gene No.	11943	Strand	-
Start	1	End	1786
Name	OJ990922_02.9C17.C27.o1.gs	Method	GENSCAN
Start	20	End	882
GI	none	Score	.68
Exons	20..144, 302..441, 579..882		

Seq. No.	5668	Seq. ID	OJ990922_02.9C17.C29
Gene No.	11944	Strand	-
Start	353	End	618
Name	OJ990922_02.9C17.C29.o1.gs	Method	GENSCAN
Start	353	End	618
GI	none	Score	.79
Exons	353..438, 614..618		

Seq. No.	5669	Seq. ID	OJ990922_02.9C17.C34

Gene No.	11945	Strand	-
Start	1	End	768
Name	OJ990922_02.9C17.C34.o1.np	Method	AAT/NAP
Start	1	End	768
GI	556409	Score	296
Exons	1..34, 289..414, 498..573, 665..768		
GI Descrip.	(L34551) transcriptional activator protein [Oryza sativa]		

Seq. No.	5669	Seq. ID	OJ990922_02.9C17.C34
Gene No.	11945	Strand	-
Start	1	End	768
Name	OJ990922_02.9C17.C34.o1.tw	Method	TBLASTX:Wheat
Start	5	End	561
GI	none	Score	148
Exons	5..46, 281..415, 286..417, 287..418, 493..531, 526..561		

Seq. No.	5669	Seq. ID	OJ990922_02.9C17.C34
Gene No.	11945	Strand	-
Start	1	End	768
Name	OJ990922_02.9C17.C34.o1.tm	Method	TBLASTX:Maize
Start	8	End	574
GI	none	Score	74
Exons	8..46, 286..342, 286..417, 287..415, 287..418, 490..531, 497..574, 497..574		

Seq. No.	5669	Seq. ID	OJ990922_02.9C17.C34
Gene No.	11945	Strand	-
Start	1	End	768
Name	OJ990922_02.9C17.C34.o1.gs	Method	GENSCAN
Start	289	End	572
GI	none	Score	.79
Exons	289..432, 498..572		

Seq. No.	5670	Seq. ID	OJ990922_02.9C17.C35
Gene No.	11946	Strand	+
Start	306	End	747
Name	OJ990922_02.9C17.C35.o1.gs	Method	GENSCAN
Start	306	End	747
GI	none	Score	.51
Exons	306..747		

Seq. No.	5670	Seq. ID	OJ990922_02.9C17.C35
Gene No.	11947	Strand	+
Start	764	End	1226
Name	OJ990922_02.9C17.C35.o1.gp	Method	AAT/GAP
Start	764	End	1226
GI	2428323	Score	689
Exons	764..1226		
GI Descrip.	5803242/dbj|AP000399.1|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	5670	Seq. ID	OJ990922_02.9C17.C35
Gene No.	11948	Strand	-
Start	1237	End	1946
Name	OJ990922_02.9C17.C35.o1.np	Method	AAT/NAP
Start	1237	End	1946
GI	6539586	Score	1119

Exons	1237..1946		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	5671	Seq. ID	OJ990922_02.9C17.C36
Gene No.	11949	Strand	+
Start	1	End	4817
Name	OJ990922_02.9C17.C36.o2.np	Method	AAT/NAP
Start	1	End	3942
GI	5042454	Score	302
Exons	1..140, 1281..1544, 2101..2172, 2806..2878, 3448..3631, 3889..3942		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		
Seq. No.	5671	Seq. ID	OJ990922_02.9C17.C36
Gene No.	11949	Strand	+
Start	1	End	4817
Name	OJ990922_02.9C17.C36.o2.gs	Method	GENSCAN
Start	3575	End	4817
GI	none	Score	.8
Exons	3575..3631, 3889..4059, 4668..4817		
Seq. No.	5671	Seq. ID	OJ990922_02.9C17.C36
Gene No.	11950	Strand	-
Start	1	End	2534
Name	OJ990922_02.9C17.C36.o1.np	Method	AAT/NAP
Start	1	End	2534
GI	6907089	Score	3902
Exons	1..1179, 1274..2534		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	5671	Seq. ID	OJ990922_02.9C17.C36
Gene No.	11950	Strand	-
Start	1	End	2534
Name	OJ990922_02.9C17.C36.o1.gs	Method	GENSCAN
Start	64	End	2534
GI	none	Score	.47
Exons	64..2534		
Seq. No.	5671	Seq. ID	OJ990922_02.9C17.C36
Gene No.	11951	Strand	-
Start	6103	End	6218
Name	OJ990922_02.9C17.C36.o3.gs	Method	GENSCAN
Start	6103	End	6218
GI	none	Score	.86
Exons	6103..6107, 6165..6218		
Seq. No.	5672	Seq. ID	OJ990922_02.9C17.C37
Gene No.	11952	Strand	+
Start	1	End	646
Name	OJ990922_02.9C17.C37.o1.np	Method	AAT/NAP
Start	1	End	646
GI	5441880	Score	207
Exons	1..367, 456..646		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o1.np	Method	AAT/NAP
Start	1	End	2313
GI	6466937	Score	1404
Exons	1..2313		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o2.tm	Method	TBLASTX:Maize
Start	6	End	556
GI	none	Score	606
Exons	6..533, 26..148, 176..556, 361..534		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o2.ts	Method	TBLASTX:Soybean
Start	6	End	257
GI	none	Score	239
Exons	6..257, 32..256		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o3.tw	Method	TBLASTX:Wheat
Start	30	End	383
GI	none	Score	308
Exons	30..383, 38..154		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o1.gs	Method	GENSCAN
Start	76	End	2334
GI	none	Score	.44
Exons	76..1386, 1525..2078, 2110..2334		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o3.ts	Method	TBLASTX:Soybean
Start	293	End	536
GI	none	Score	200
Exons	293..433, 294..536, 351..443		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o4.tm	Method	TBLASTX:Maize
Start	557	End	956
GI	none	Score	192
Exons	557..703, 558..710, 726..956		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o2.tw	Method	TBLASTX:Wheat
Start	726	End	1124
GI	none	Score	333
Exons	726..1124, 917..1123		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o1.tm	Method	TBLASTX:Maize
Start	957	End	1592
GI	none	Score	738
Exons	957..1592, 1052..1591, 1188..1592		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o1.ts	Method	TBLASTX:Soybean
Start	991	End	1364
GI	none	Score	72
Exons	991..1170, 992..1363, 993..1364		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o4.tw	Method	TBLASTX:Wheat
Start	1212	End	1604
GI	none	Score	277
Exons	1212..1604, 1256..1543		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o3.tm	Method	TBLASTX:Maize
Start	1626	End	2101
GI	none	Score	448
Exons	1626..2099, 1626..1982, 1685..2101		

Seq. No.	5673	Seq. ID	OJ990922_02.9C17.C38
Gene No.	11953	Strand	+
Start	1	End	2334
Name	OJ990922_02.9C17.C38.o1.tw	Method	TBLASTX:Wheat
Start	1659	End	2015
GI	none	Score	352
Exons	1659..2015, 1661..1960		

Seq. No.	5674	Seq. ID	OJ990922_02.9C17.C41
Gene No.	11954	Strand	-
Start	1	End	656
Name	OJ990922_02.9C17.C41.o1.np	Method	AAT/NAP
Start	1	End	656
GI	4741191	Score	132
Exons	1..138, 635..656		
GI Descrip.	(AL049746) ABC transporter-like protein [Arabidopsis thaliana]		

Seq. No.	5675	Seq. ID	OJ990922_02.9C17.C43
Gene No.	11955	Strand	-
Start	1	End	260
Name	OJ990922_02.9C17.C43.o1.gp	Method	AAT/GAP
Start	1	End	260
GI	2428185	Score	492
Exons	1..260		
GI Descrip.	5852170/emb|AL117265.1|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	5675	Seq. ID	OJ990922_02.9C17.C43
Gene No.	11956	Strand	-
Start	276	End	488
Name	OJ990922_02.9C17.C43.o2.gp	Method	AAT/GAP
Start	276	End	488
GI	101153_1.R1084	Score	362
Exons	276..488		
GI Descrip.	'5852170/emb|AL117265.1|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	5676	Seq. ID	OJ990922_02.9C17.C44
Gene No.	11957	Strand	-
Start	1	End	479
Name	OJ990922_02.9C17.C44.o1.np	Method	AAT/NAP
Start	1	End	479
GI	1737492	Score	96
Exons	1..142, 334..479		
GI Descrip.	(U81318) poly(A)-binding protein [Triticum aestivum]		

Seq. No.	5677	Seq. ID	OJ990922_02.9C17.C45
Gene No.	11958	Strand	-
Start	123	End	948
Name	OJ990922_02.9C17.C45.o1.gs	Method	GENSCAN
Start	123	End	948
GI	none	Score	.67
Exons	123..221, 351..492, 553..684, 847..948		

Seq. No.	5678	Seq. ID	OJ990922_02.9C17.C47
Gene No.	11959	Strand	+
Start	1	End	461
Name	OJ990922_02.9C17.C47.o1.gp	Method	AAT/GAP
Start	1	End	461
GI	29330_1.R1084	Score	898
Exons	1..461		
GI Descrip.	'126386/sp|P14947|MPL2_LOLPR 3.0e-13 POLLEN ALLERGEN LOL P 2-A (LOL P II-A) >gi_82449_pir__A34291 pollen allergen Lol p IIA - perennial ryegrass'		

Seq. No.	5678	Seq. ID	OJ990922_02.9C17.C47
Gene No.	11959	Strand	+
Start	1	End	461
Name	OJ990922_02.9C17.C47.o1.np	Method	AAT/NAP
Start	1	End	231
GI	126386	Score	165
Exons	1..231		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291		

pollen allergen Lol p IIA - perennial ryegrass

Seq. No.	5678	Seq. ID	OJ990922_02.9C17.C47
Gene No.	11959	Strand	+
Start	1	End	461
Name	OJ990922_02.9C17.C47.o1.tm	Method	TBLASTX:Maize
Start	4	End	241
GI	none	Score	86
Exons	4..69, 76..240, 77..241, 84..230		

Seq. No.	5678	Seq. ID	OJ990922_02.9C17.C47
Gene No.	11959	Strand	+
Start	1	End	461
Name	OJ990922_02.9C17.C47.o1.gs	Method	GENSCAN
Start	160	End	246
GI	none	Score	.88
Exons	160..246		

Seq. No.	5679	Seq. ID	OJ990922_02.9C17.C49
Gene No.	11960	Strand	+
Start	133	End	339
Name	OJ990922_02.9C17.C49.o1.gs	Method	GENSCAN
Start	133	End	339
GI	none	Score	.63
Exons	133..339		

Seq. No.	5680	Seq. ID	OJ990922_02.9C17.C50
Gene No.	11961	Strand	-
Start	436	End	790
Name	OJ990922_02.9C17.C50.o1.gp	Method	AAT/GAP
Start	436	End	790
GI	none	Score	595
Exons	436..790		

Seq. No.	5680	Seq. ID	OJ990922_02.9C17.C50
Gene No.	11962	Strand	-
Start	786	End	1127
Name	OJ990922_02.9C17.C50.o1.tm	Method	TBLASTX:Maize
Start	736	End	1117
GI	none	Score	132
Exons	736..891, 748..951, 759..953, 777..953, 940..1068, 960..1064, 1043..1117		

Seq. No.	5680	Seq. ID	OJ990922_02.9C17.C50
Gene No.	11962	Strand	-
Start	786	End	1127
Name	OJ990922_02.9C17.C50.o1.gs	Method	GENSCAN
Start	786	End	1127
GI	none	Score	.72
Exons	786..1127		

Seq. No.	5680	Seq. ID	OJ990922_02.9C17.C50
Gene No.	11962	Strand	-
Start	786	End	1127
Name	OJ990922_02.9C17.C50.o1.np	Method	AAT/NAP
Start	798	End	1073
GI	126386	Score	171

Exons	798..1073		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291 pollen allergen Lol p IIA - perennial ryegrass		
Seq. No.	5681	Seq. ID	OJ990922_02.9C17.C51
Gene No.	11963	Strand	-
Start	1792	End	2786
Name	OJ990922_02.9C17.C51.o1.gs	Method	GENSCAN
Start	1792	End	2786
GI	none	Score	.79
Exons	1792..2126, 2399..2786		
Seq. No.	5681	Seq. ID	OJ990922_02.9C17.C51
Gene No.	11964	Strand	-
Start	4229	End	4583
Name	OJ990922_02.9C17.C51.o1.gp	Method	AAT/GAP
Start	3913	End	4356
GI	none	Score	806
Exons	3913..4356		
Seq. No.	5681	Seq. ID	OJ990922_02.9C17.C51
Gene No.	11964	Strand	-
Start	4229	End	4583
Name	OJ990922_02.9C17.C51.o1.tm	Method	TBLASTX:Maize
Start	4211	End	4583
GI	none	Score	112
Exons	4211..4396, 4221..4346, 4403..4525, 4404..4526, 4477..4551, 4539..4583		
Seq. No.	5681	Seq. ID	OJ990922_02.9C17.C51
Gene No.	11964	Strand	-
Start	4229	End	4583
Name	OJ990922_02.9C17.C51.o2.gs	Method	GENSCAN
Start	4229	End	4582
GI	none	Score	.65
Exons	4229..4582		
Seq. No.	5681	Seq. ID	OJ990922_02.9C17.C51
Gene No.	11964	Strand	-
Start	4229	End	4583
Name	OJ990922_02.9C17.C51.o1.np	Method	AAT/NAP
Start	4241	End	4516
GI	126386	Score	173
Exons	4241..4516		
GI Descrip.	POLLEN ALLERGEN LOL P 2-A (LOL P II-A) gi|82449|pir||A34291 pollen allergen Lol p IIA - perennial ryegrass		
Seq. No.	5682	Seq. ID	OJ990922_02.9C17.C52
Gene No.	11965	Strand	+
Start	602	End	1219
Name	OJ990922_02.9C17.C52.o1.gp	Method	AAT/GAP
Start	602	End	1219
GI	28773_5.R1084	Score	1054
Exons	602..1219		
GI Descrip.	'4006978/emb|CAA10346| 4.0e-12 (AJ131335) pollen allergen (group II) [Cynodon dactylon]'		

Seq. No.	5682	Seq. ID	OJ990922_02.9C17.C52
Gene No.	11966	Strand	-
Start	849	End	2236
Name	OJ990922_02.9C17.C52.o1.tm	Method	TBLASTX:Maize
Start	823	End	1146
GI	none	Score	86
Exons	823..1014, 831..1016, 1003..1146, 1023..1145		

Seq. No.	5682	Seq. ID	OJ990922_02.9C17.C52
Gene No.	11966	Strand	-
Start	849	End	2236
Name	OJ990922_02.9C17.C52.o1.gs	Method	GENSCAN
Start	849	End	1557
GI	none	Score	.94
Exons	849..1115, 1498..1557		

Seq. No.	5682	Seq. ID	OJ990922_02.9C17.C52
Gene No.	11966	Strand	-
Start	849	End	2236
Name	OJ990922_02.9C17.C52.o1.np	Method	AAT/NAP
Start	861	End	2236
GI	3901094	Score	99
Exons	861..1055, 2207..2236		
GI Descrip.	(Z27090) pollen allergen Phl pI [Phleum pratense]		

Seq. No.	5683	Seq. ID	OJ990922_02.9C17.C53
Gene No.	11967	Strand	+
Start	1	End	787
Name	OJ990922_02.9C17.C53.o1.np	Method	AAT/NAP
Start	1	End	401
GI	4539305	Score	122
Exons	1..57, 287..401		
GI Descrip.	(AL049480) putative protein [Arabidopsis thaliana]		

Seq. No.	5683	Seq. ID	OJ990922_02.9C17.C53
Gene No.	11967	Strand	+
Start	1	End	787
Name	OJ990922_02.9C17.C53.o1.tm	Method	TBLASTX:Maize
Start	1	End	753
GI	none	Score	65
Exons	1..36, 2..37, 267..416, 268..417, 269..424, 270..425, 502..531, 546..614, 611..655, 615..647, 712..753, 733..750		

Seq. No.	5683	Seq. ID	OJ990922_02.9C17.C53
Gene No.	11967	Strand	+
Start	1	End	787
Name	OJ990922_02.9C17.C53.o1.gs	Method	GENSCAN
Start	30	End	577
GI	none	Score	.54
Exons	30..37, 490..577		

Seq. No.	5683	Seq. ID	OJ990922_02.9C17.C53
Gene No.	11967	Strand	+
Start	1	End	787
Name	OJ990922_02.9C17.C53.o1.gp	Method	AAT/GAP
Start	466	End	787
GI	none	Score	608

Exons	466..787		
Seq. No.	5684	Seq. ID	OJ990922_02.9C17.C54
Gene No.	11968	Strand	+
Start	1934	End	2105
Name	OJ990922_02.9C17.C54.o1.gs	Method	GENSCAN
Start	1934	End	2105
GI	none	Score	.93
Exons	1934..2105		
Seq. No.	5684	Seq. ID	OJ990922_02.9C17.C54
Gene No.	11969	Strand	+
Start	2624	End	2885
Name	OJ990922_02.9C17.C54.o1.gp	Method	AAT/GAP
Start	2624	End	2885
GI	none	Score	482
Exons	2624..2885		
Seq. No.	5684	Seq. ID	OJ990922_02.9C17.C54
Gene No.	11970	Strand	+
Start	3871	End	4933
Name	OJ990922_02.9C17.C54.o1.np	Method	AAT/NAP
Start	3871	End	4933
GI	4262167	Score	361
Exons	3871..4105, 4182..4250, 4404..4469, 4550..4621, 4709..4780, 4860..4933		
GI Descrip.	(AC005275) putative LRR receptor-linked protein kinase [Arabidopsis thaliana]		
Seq. No.	5684	Seq. ID	OJ990922_02.9C17.C54
Gene No.	11971	Strand	-
Start	2442	End	4932
Name	OJ990922_02.9C17.C54.o2.gs	Method	GENSCAN
Start	2442	End	4882
GI	none	Score	.59
Exons	2442..3190, 4766..4882		
Seq. No.	5684	Seq. ID	OJ990922_02.9C17.C54
Gene No.	11971	Strand	-
Start	2442	End	4932
Name	OJ990922_02.9C17.C54.o1.tm	Method	TBLASTX:Maize
Start	3989	End	4932
GI	none	Score	189
Exons	3989..4099, 3990..4106, 3994..4101, 4186..4242, 4187..4243, 4381..4476, 4410..4463, 4550..4621, 4551..4628, 4560..4622, 4705..4779, 4706..4780, 4710..4781, 4860..4931, 4860..4931, 4861..4932		
Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56
Gene No.	11972	Strand	+
Start	56	End	1145
Name	OJ990922_02.9C17.C56.o1.gs	Method	GENSCAN
Start	56	End	1145
GI	none	Score	.76
Exons	56..231, 1022..1145		
Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56

Gene No.	11973	Strand	+
Start	3598	End	7228
Name	OJ990922_02.9C17.C56.o1.gp	Method	AAT/GAP
Start	3598	End	4839
GI	uC-osf1cyp071h10b1	Score	971
Exons	3598..3690, 3837..3906, 4035..4132, 4303..4441, 4574..4656, 4765..4839		
GI Descrip.	'3785989 8.0e-61 (AC005560) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56
Gene No.	11973	Strand	+
Start	3598	End	7228
Name	OJ990922_02.9C17.C56.o1.np	Method	AAT/NAP
Start	3601	End	7228
GI	4538923	Score	877
Exons	3601..3690, 3837..3906, 4035..4132, 4303..4441, 4531..4688, 4773..4857, 4941..4991, 5101..5166, 5261..5326, 5838..5934, 6003..6194, 6270..6343, 6547..6630, 6777..7228		
GI Descrip.	(AL049483) predicted protein destination factor [Arabidopsis thaliana]		

Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56
Gene No.	11973	Strand	+
Start	3598	End	7228
Name	OJ990922_02.9C17.C56.o3.gs	Method	GENSCAN
Start	4537	End	7225
GI	none	Score	.92
Exons	4537..4656, 4941..4991, 5261..5326, 5433..5513, 5838..5915, 6014..6190, 6263..6340, 6498..6665, 6824..7225		

Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56
Gene No.	11974	Strand	-
Start	3225	End	3729
Name	OJ990922_02.9C17.C56.o2.gs	Method	GENSCAN
Start	3225	End	3729
GI	none	Score	.86
Exons	3225..3506, 3634..3729		

Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56
Gene No.	11975	Strand	-
Start	7683	End	7758
Name	OJ990922_02.9C17.C56.o1.tc	Method	TBLASTX:Cress
Start	3616	End	4637
GI	none	Score	108
Exons	3616..3717, 3780..3905, 3812..3904, 4034..4141, 4302..4436, 4303..4437, 4312..4437, 4543..4635, 4545..4637, 4546..4635		

Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56
Gene No.	11975	Strand	-
Start	7683	End	7758
Name	OJ990922_02.9C17.C56.o1.ts	Method	TBLASTX:Soybean
Start	3616	End	4141
GI	none	Score	102
Exons	3616..3717, 3618..3683, 3780..3917, 3836..3916, 4034..4141		

Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56

Gene No.	11975	Strand	-
Start	7683	End	7758
Name	OJ990922_02.9C17.C56.o1.tm	Method	TBLASTX:Maize
Start	3616	End	5311
GI	none	Score	116
Exons	3616..3717, 3619..3690, 3621..3692, 3780..3905, 3830..3907, 3834..3902, 3836..3904, 3845..3877, 4032..4130, 4034..4141, 4037..4129, 4048..4134, 4302..4433, 4303..4434, 4315..4434, 4546..4665, 4569..4658, 4762..4791, 4767..4844, 4811..4843, 4938..4994, 4938..4991, 4940..4993, 5100..5165, 5101..5166, 5101..5166, 5228..5311, 5263..5310		

Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56
Gene No.	11975	Strand	-
Start	7683	End	7758
Name	OJ990922_02.9C17.C56.o1.tw	Method	TBLASTX:Wheat
Start	4351	End	5165
GI	none	Score	99
Exons	4351..4437, 4389..4436, 4546..4656, 4548..4643, 4758..4835, 4938..4994, 4940..4993, 5100..5165, 5101..5163		

Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56
Gene No.	11975	Strand	-
Start	7683	End	7758
Name	OJ990922_02.9C17.C56.o2.tm	Method	TBLASTX:Maize
Start	6527	End	6976
GI	none	Score	164
Exons	6527..6664, 6544..6666, 6546..6662, 6818..6976, 6819..6950, 6898..6975		

Seq. No.	5685	Seq. ID	OJ990922_02.9C17.C56
Gene No.	11975	Strand	-
Start	7683	End	7758
Name	OJ990922_02.9C17.C56.o4.gs	Method	GENSCAN
Start	7683	End	7758
GI	none	Score	.71
Exons	7683..7758		

Seq. No.	5686	Seq. ID	OJ990922_02.9C17.C57
Gene No.	11976	Strand	+
Start	224	End	2482
Name	OJ990922_02.9C17.C57.o1.gs	Method	GENSCAN
Start	224	End	624
GI	none	Score	.63
Exons	224..624		

Seq. No.	5686	Seq. ID	OJ990922_02.9C17.C57
Gene No.	11976	Strand	+
Start	224	End	2482
Name	OJ990922_02.9C17.C57.o1.gp	Method	AAT/GAP
Start	294	End	2226
GI	13336_1.R1084	Score	849
Exons	294..628, 2110..2226		
GI Descrip.	'5306242/gb|AAD41975.1|AC006438_7 3.0e-20 (AC006438) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5686	Seq. ID	OJ990922_02.9C17.C57

Gene No.	11976	Strand	+
Start	224	End	2482
Name	OJ990922_02.9C17.C57.o1.np	Method	AAT/NAP
Start	382	End	2482
GI	5306242	Score	256
Exons	382..615, 2447..2482		
GI Descrip.	(AC006438) unknown protein [Arabidopsis thaliana]		

Seq. No.	5686	Seq. ID	OJ990922_02.9C17.C57
Gene No.	11977	Strand	-
Start	2044	End	2129
Name	OJ990922_02.9C17.C57.o1.tm	Method	TBLASTX:Maize
Start	370	End	630
GI	none	Score	412
Exons	370..630, 435..542		

Seq. No.	5686	Seq. ID	OJ990922_02.9C17.C57
Gene No.	11977	Strand	-
Start	2044	End	2129
Name	OJ990922_02.9C17.C57.o1.ts	Method	TBLASTX:Soybean
Start	376	End	567
GI	none	Score	287
Exons	376..567, 441..533		

Seq. No.	5686	Seq. ID	OJ990922_02.9C17.C57
Gene No.	11977	Strand	-
Start	2044	End	2129
Name	OJ990922_02.9C17.C57.o1.tc	Method	TBLASTX:Cress
Start	385	End	606
GI	none	Score	291
Exons	385..606, 435..533		

Seq. No.	5686	Seq. ID	OJ990922_02.9C17.C57
Gene No.	11977	Strand	-
Start	2044	End	2129
Name	OJ990922_02.9C17.C57.o2.gs	Method	GENSCAN
Start	2044	End	2129
GI	none	Score	.64
Exons	2044..2129		

Seq. No.	5687	Seq. ID	OJ990802_07.9C29.C1
Gene No.	11978	Strand	+
Start	1138	End	1521
Name	OJ990802_07.9C29.C1.o1.gp	Method	AAT/GAP
Start	1138	End	1521
GI	LIB3477-003-P1-K1-E9	Score	119
Exons	1138..1168, 1460..1521		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5688	Seq. ID	OJ990802_07.9C29.C2
Gene No.	11979	Strand	-
Start	580	End	4840
Name	OJ990802_07.9C29.C2.o1.gs	Method	GENSCAN
Start	580	End	4834
GI	none	Score	.79

Exons	580..585, 1038..1228, 1264..2337, 4633..4834		
Seq. No.	5688	Seq. ID	OJ990802_07.9C29.C2
Gene No.	11979	Strand	-
Start	580	End	4840
Name	OJ990802_07.9C29.C2.o1.tm	Method	TBLASTX:Maize
Start	3861	End	4609
GI	none	Score	598
Exons	3861..3890, 3931..4044, 3933..4607, 3947..4609		
Seq. No.	5688	Seq. ID	OJ990802_07.9C29.C2
Gene No.	11979	Strand	-
Start	580	End	4840
Name	OJ990802_07.9C29.C2.o1.ts	Method	TBLASTX:Soybean
Start	3935	End	4600
GI	none	Score	71
Exons	3935..4183, 4008..4175, 4217..4588, 4217..4600, 4224..4595		
Seq. No.	5688	Seq. ID	OJ990802_07.9C29.C2
Gene No.	11979	Strand	-
Start	580	End	4840
Name	OJ990802_07.9C29.C2.o1.np	Method	AAT/NAP
Start	3944	End	4840
GI	6630685	Score	1268
Exons	3944..4840		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		
Seq. No.	5688	Seq. ID	OJ990802_07.9C29.C2
Gene No.	11979	Strand	-
Start	580	End	4840
Name	OJ990802_07.9C29.C2.o1.tc	Method	TBLASTX:Cress
Start	3962	End	4420
GI	none	Score	70
Exons	3962..4207, 4014..4181, 4193..4327, 4331..4420		
Seq. No.	5688	Seq. ID	OJ990802_07.9C29.C2
Gene No.	11979	Strand	-
Start	580	End	4840
Name	OJ990802_07.9C29.C2.o2.tw	Method	TBLASTX:Wheat
Start	3995	End	4327
GI	none	Score	51
Exons	3995..4183, 4008..4127, 4202..4327, 4206..4307		
Seq. No.	5688	Seq. ID	OJ990802_07.9C29.C2
Gene No.	11979	Strand	-
Start	580	End	4840
Name	OJ990802_07.9C29.C2.o1.tw	Method	TBLASTX:Wheat
Start	4364	End	4795
GI	none	Score	102
Exons	4364..4621, 4634..4795		
Seq. No.	5688	Seq. ID	OJ990802_07.9C29.C2
Gene No.	11979	Strand	-
Start	580	End	4840
Name	OJ990802_07.9C29.C2.o2.tm	Method	TBLASTX:Maize
Start	4610	End	4802

GI	none	Score	196
Exons	4610..4801, 4611..4802		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3
Gene No.	11980	Strand	+
Start	3945	End	6342
Name	OJ990802_07.9C29.C3.o4.np	Method	AAT/NAP
Start	3945	End	6342
GI	6721516	Score	555
Exons	3945..4181, 4592..4836, 6311..6342		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3
Gene No.	11981	Strand	-
Start	1	End	6949
Name	OJ990802_07.9C29.C3.o1.np	Method	AAT/NAP
Start	1	End	1577
GI	4416302	Score	1313
Exons	1..1577		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3
Gene No.	11981	Strand	-
Start	1	End	6949
Name	OJ990802_07.9C29.C3.o1.gs	Method	GENSCAN
Start	58	End	6949
GI	none	Score	.75
Exons	58..404, 721..1052, 1488..1634, 1855..3218, 3341..3719, 4139..4271, 5059..5137, 6883..6949		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3
Gene No.	11981	Strand	-
Start	1	End	6949
Name	OJ990802_07.9C29.C3.o1.tm	Method	TBLASTX:Maize
Start	177	End	990
GI	none	Score	57
Exons	177..275, 221..271, 284..475, 284..460, 498..656, 506..655, 703..741, 703..744, 754..918, 756..917, 916..990, 918..989		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3
Gene No.	11981	Strand	-
Start	1	End	6949
Name	OJ990802_07.9C29.C3.o3.tw	Method	TBLASTX:Wheat
Start	219	End	547
GI	none	Score	48
Exons	219..272, 221..298, 313..456, 320..547		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3
Gene No.	11981	Strand	-
Start	1	End	6949
Name	OJ990802_07.9C29.C3.o1.tw	Method	TBLASTX:Wheat
Start	707	End	1224
GI	none	Score	43
Exons	707..754, 711..734, 756..938, 768..938, 969..1184, 978..1223, 994..1224		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3

Gene No.	11981	Strand	-
Start	1	End	6949
Name	OJ990802_07.9C29.C3.o2.tm	Method	TBLASTX:Maize
Start	994	End	1386
GI	none	Score	153
Exons	994..1266, 995..1219, 996..1262, 1045..1266, 1061..1267, 1255..1386, 1257..1385		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3
Gene No.	11981	Strand	-
Start	1	End	6949
Name	OJ990802_07.9C29.C3.o2.tw	Method	TBLASTX:Wheat
Start	1296	End	1613
GI	none	Score	102
Exons	1296..1613, 1378..1599		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3
Gene No.	11981	Strand	-
Start	1	End	6949
Name	OJ990802_07.9C29.C3.o3.tm	Method	TBLASTX:Maize
Start	1389	End	1749
GI	none	Score	87
Exons	1389..1628, 1396..1524, 1552..1620, 1655..1747, 1657..1749		

Seq. No.	5689	Seq. ID	OJ990802_07.9C29.C3
Gene No.	11981	Strand	-
Start	1	End	6949
Name	OJ990802_07.9C29.C3.o4.tw	Method	TBLASTX:Wheat
Start	3225	End	3614
GI	none	Score	39
Exons	3225..3467, 3364..3453, 3509..3607, 3510..3608, 3522..3614		

Seq. No.	5690	Seq. ID	OJ990802_07.9C29.C7
Gene No.	11982	Strand	+
Start	65	End	1561
Name	OJ990802_07.9C29.C7.o1.gs	Method	GENSCAN
Start	65	End	1561
GI	none	Score	.8
Exons	65..243, 733..781, 945..1001, 1526..1561		

Seq. No.	5691	Seq. ID	OJ990802_07.9C29.C8
Gene No.	11983	Strand	+
Start	203	End	390
Name	OJ990802_07.9C29.C8.o1.gs	Method	GENSCAN
Start	203	End	390
GI	none	Score	.97
Exons	203..390		

Seq. No.	5691	Seq. ID	OJ990802_07.9C29.C8
Gene No.	11984	Strand	-
Start	859	End	1212
Name	OJ990802_07.9C29.C8.o2.gs	Method	GENSCAN
Start	859	End	1212
GI	none	Score	.94
Exons	859..911, 1183..1212		

Seq. No.	5692	Seq. ID	OJ990802_07.9C29.C9

Gene No.	11985	Strand	-
Start	165	End	426
Name	OJ990802_07.9C29.C9.o1.gs	Method	GENSCAN
Start	165	End	426
GI	none	Score	.74
Exons	165..426		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11986	Strand	+
Start	5925	End	12433
Name	OJ990802_07.9C29.C11.o3.np	Method	AAT/NAP
Start	5875	End	8106
GI	4914386	Score	159
Exons	5875..6171, 6817..6942, 7722..8106		
GI Descrip.	(AC007167) putative GDSL-motif lipase/hydrolase [Arabidopsis thaliana]		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11986	Strand	+
Start	5925	End	12433
Name	OJ990802_07.9C29.C11.o2.gs	Method	GENSCAN
Start	5925	End	7011
GI	none	Score	.97
Exons	5925..6171, 6817..6938, 6973..7011		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11986	Strand	+
Start	5925	End	12433
Name	OJ990802_07.9C29.C11.o4.np	Method	AAT/NAP
Start	7813	End	8038
GI	6714321	Score	42
Exons	7813..8038		
GI Descrip.	(AC016972) putative proline-rich APG protein [Arabidopsis thaliana]		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11986	Strand	+
Start	5925	End	12433
Name	OJ990802_07.9C29.C11.o3.gs	Method	GENSCAN
Start	7814	End	12433
GI	none	Score	.47
Exons	7814..8234, 9096..9500, 11236..11449, 12066..12213, 12275..12433		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11986	Strand	+
Start	5925	End	12433
Name	OJ990802_07.9C29.C11.o5.np	Method	AAT/NAP
Start	9235	End	12313
GI	728868	Score	143
Exons	9235..9336, 12047..12313		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG (PROTEIN CEX) gi|99824|pir||S16748 proline-rich protein - rape (fragment) gi|22597|emb|CAA42924| (X60376) proline-rich protein [Brassica napus]		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-

Start	632	End	6855
Name	OJ990802_07.9C29.C11.o1.gp	Method	AAT/GAP
Start	526	End	1468
GI	1479_1.R1084	Score	1378
Exons	526..934, 1033..1220, 1337..1468		
GI Descrip.	'4467098/emb|CAB37532| 1.0e-29 (AL035538) putative protein [Arabidopsis thaliana]'		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-
Start	632	End	6855
Name	OJ990802_07.9C29.C11.o1.gs	Method	GENSCAN
Start	632	End	3675
GI	none	Score	.85
Exons	632..674, 1033..1220, 1337..1581, 1904..2075, 2178..2584, 3531..3675		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-
Start	632	End	6855
Name	OJ990802_07.9C29.C11.o1.np	Method	AAT/NAP
Start	703	End	2392
GI	4467098	Score	518
Exons	703..934, 1033..1220, 1337..1578, 1904..2075, 2178..2392		
GI Descrip.	(AL035538) putative protein [Arabidopsis thaliana]		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-
Start	632	End	6855
Name	OJ990802_07.9C29.C11.o1.tc	Method	TBLASTX:Cress
Start	832	End	2075
GI	none	Score	109
Exons	832..933, 1032..1223, 1066..1221, 1263..1586, 1274..1579, 1932..2012, 2013..2075		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-
Start	632	End	6855
Name	OJ990802_07.9C29.C11.o2.tm	Method	TBLASTX:Maize
Start	883	End	1493
GI	none	Score	71
Exons	883..933, 1032..1223, 1033..1239, 1323..1493, 1331..1480		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-
Start	632	End	6855
Name	OJ990802_07.9C29.C11.o1.tm	Method	TBLASTX:Maize
Start	1922	End	2423
GI	none	Score	81
Exons	1922..1969, 1923..1967, 1968..2078, 1968..2075, 2175..2420, 2175..2423, 2179..2421		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-
Start	632	End	6855
Name	OJ990802_07.9C29.C11.o2.tc	Method	TBLASTX:Cress
Start	2267	End	2394

GI	none	Score	73
Exons	2267..2347, 2267..2344, 2268..2393, 2269..2394		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-
Start	632	End	6855
Name	OJ990802_07.9C29.C11.o2.np	Method	AAT/NAP
Start	2823	End	6855
GI	5281029	Score	158
Exons	2823..2850, 4550..5119, 6829..6855		
GI Descrip.	(AL080318) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-
Start	632	End	6855
Name	OJ990802_07.9C29.C11.o3.tm	Method	TBLASTX:Maize
Start	4551	End	4967
GI	none	Score	168
Exons	4551..4706, 4716..4967		

Seq. No.	5693	Seq. ID	OJ990802_07.9C29.C11
Gene No.	11987	Strand	-
Start	632	End	6855
Name	OJ990802_07.9C29.C11.o1.tw	Method	TBLASTX:Wheat
Start	4644	End	5063
GI	none	Score	60
Exons	4644..4694, 4794..5063, 4828..5004		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11988	Strand	+
Start	3519	End	12194
Name	OJ990802_07.9C29.C12.o1.np	Method	AAT/NAP
Start	3519	End	12194
GI	6539553	Score	6263
Exons	3519..6709, 11484..12194		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi|6539590|dbj|BAA88206.1| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11988	Strand	+
Start	3519	End	12194
Name	OJ990802_07.9C29.C12.o2.gs	Method	GENSCAN
Start	10125	End	11906
GI	none	Score	.86
Exons	10125..10198, 10353..10526, 10589..10710, 11428..11906		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11989	Strand	+
Start	14213	End	18188
Name	OJ990802_07.9C29.C12.o4.gs	Method	GENSCAN
Start	14213	End	18188
GI	none	Score	.65
Exons	14213..14510, 16752..16878, 17314..17858, 17977..18188		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12

Gene No.	11989	Strand	+
Start	14213	End	18188
Name	OJ990802_07.9C29.C12.o2.np	Method	AAT/NAP
Start	14234	End	18187
GI	6714321	Score	185
Exons	14234..14510, 16752..16929, 17411..17858, 17977..18187		
GI Descrip.	(AC016972) putative proline-rich APG protein [Arabidopsis thaliana]		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o4.tw	Method	TBLASTX:Wheat
Start	3510	End	3900
GI	none	Score	355
Exons	3510..3896, 3513..3899, 3524..3898, 3637..3900		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o2.tm	Method	TBLASTX:Maize
Start	3648	End	3961
GI	none	Score	357
Exons	3648..3959, 3654..3959, 3656..3961, 3658..3960		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o1.tm	Method	TBLASTX:Maize
Start	4467	End	4782
GI	none	Score	384
Exons	4467..4781, 4487..4780, 4621..4782		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o5.tm	Method	TBLASTX:Maize
Start	4983	End	5375
GI	none	Score	226
Exons	4983..5375		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o5.tw	Method	TBLASTX:Wheat
Start	5058	End	5252
GI	none	Score	251
Exons	5058..5252, 5061..5252		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o3.ts	Method	TBLASTX:Soybean
Start	5205	End	5599
GI	none	Score	142
Exons	5205..5375, 5213..5371, 5429..5473, 5431..5475, 5492..5599		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o1.tw	Method	TBLASTX:Wheat
Start	5253	End	6004
GI	none	Score	187
Exons	5253..5381, 5258..5377, 5373..5477, 5381..5479, 5485..5694, 5485..5736, 5486..6004, 5811..5984, 5845..6003		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o1.ts	Method	TBLASTX:Soybean
Start	5924	End	6388
GI	5509260	Score	375
Exons	5924..6388, 6019..6237, 6310..6369		
GI Descrip.	-		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o1.tc	Method	TBLASTX:Cress
Start	6017	End	6277
GI	none	Score	282
Exons	6017..6277, 6019..6189		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o3.tm	Method	TBLASTX:Maize
Start	6058	End	6523
GI	none	Score	355
Exons	6058..6156, 6059..6523		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o3.tw	Method	TBLASTX:Wheat
Start	6059	End	6604
GI	none	Score	316
Exons	6059..6403, 6398..6604		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o2.ts	Method	TBLASTX:Soybean
Start	6457	End	6724
GI	none	Score	259
Exons	6457..6657, 6458..6724		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o4.tm	Method	TBLASTX:Maize
Start	6620	End	11726
GI	none	Score	63
Exons	6620..6706, 11487..11726, 11493..11693, 11498..11725		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o4.ts	Method	TBLASTX:Soybean
Start	11571	End	11945
GI	none	Score	104
Exons	11571..11702, 11721..11945		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o2.tw	Method	TBLASTX:Wheat
Start	11582	End	12058
GI	none	Score	91
Exons	11582..11653, 11583..11657, 11671..11979, 11672..12058, 11673..11990, 11674..12057		

Seq. No.	5694	Seq. ID	OJ990802_07.9C29.C12
Gene No.	11990	Strand	-
Start	19268	End	20559
Name	OJ990802_07.9C29.C12.o5.gs	Method	GENSCAN
Start	19268	End	20559
GI	none	Score	.59
Exons	19268..19750, 20055..20159, 20251..20559		

Seq. No.	5695	Seq. ID	OJ990802_07.9C29.C13
Gene No.	11991	Strand	+
Start	28	End	809
Name	OJ990802_07.9C29.C13.o1.gs	Method	GENSCAN
Start	28	End	809
GI	none	Score	.46
Exons	28..194, 287..809		

Seq. No.	5695	Seq. ID	OJ990802_07.9C29.C13
Gene No.	11992	Strand	+
Start	6905	End	10230
Name	OJ990802_07.9C29.C13.o2.np	Method	AAT/NAP
Start	6905	End	10230
GI	728867	Score	247
Exons	6905..6965, 7587..8154, 10144..10230		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR gi|99694|pir||S21961 proline-rich protein APG - Arabidopsis thaliana gi|22599|emb|CAA42925| (X60377) APG [Arabidopsis thaliana]		

Seq. No.	5695	Seq. ID	OJ990802_07.9C29.C13
Gene No.	11993	Strand	-
Start	1	End	11997
Name	OJ990802_07.9C29.C13.o1.np	Method	AAT/NAP
Start	1	End	5445
GI	728867	Score	101
Exons	1..195, 294..476, 2160..2224, 5245..5445		
GI Descrip.	ANTER-SPECIFIC PROLINE-RICH PROTEIN APG PRECURSOR gi|99694|pir||S21961 proline-rich protein APG - Arabidopsis thaliana gi|22599|emb|CAA42925| (X60377) APG [Arabidopsis thaliana]		

Seq. No.	5695	Seq. ID	OJ990802_07.9C29.C13
Gene No.	11993	Strand	-
Start	1	End	11997
Name	OJ990802_07.9C29.C13.o2.gs	Method	GENSCAN
Start	1192	End	11997
GI	none	Score	.6
Exons	1192..1498, 2112..2343, 3841..3920, 4782..4834, 5051..5364, 5397..5505, 7723..7821, 8043..8180, 10218..10324, 10522..10612, 10691..10871, 10966..11029, 11112..11210, 11273..11423, 11498..11595, 11665..11735, 11870..11997		

Seq. No.	5696	Seq. ID	OJ990802_07.9C29.C14
Gene No.	11994	Strand	+
Start	1	End	9269
Name	OJ990802_07.9C29.C14.o1.np	Method	AAT/NAP
Start	1	End	9269
GI	3513738	Score	206
Exons	1..31, 4343..4517, 5087..5187, 5874..6397, 9220..9269		
GI Descrip.	(AF080118) similar to the GDSL family of lipolytic enzymes [Arabidopsis thaliana]		

Seq. No.	5696	Seq. ID	OJ990802_07.9C29.C14
Gene No.	11994	Strand	+
Start	1	End	9269
Name	OJ990802_07.9C29.C14.o1.gs	Method	GENSCAN
Start	123	End	5273
GI	none	Score	.46
Exons	123..213, 1055..1171, 2442..2567, 3041..3094, 4334..4478, 5114..5273		

Seq. No.	5696	Seq. ID	OJ990802_07.9C29.C14
Gene No.	11994	Strand	+
Start	1	End	9269
Name	OJ990802_07.9C29.C14.o2.gs	Method	GENSCAN
Start	5872	End	6716
GI	none	Score	.9
Exons	5872..5931, 6106..6370, 6511..6716		

Seq. No.	5696	Seq. ID	OJ990802_07.9C29.C14
Gene No.	11995	Strand	-
Start	7655	End	9051
Name	OJ990802_07.9C29.C14.o1.tm	Method	TBLASTX:Maize
Start	4273	End	6378
GI	none	Score	115
Exons	4273..4419, 4337..4402, 4340..4507, 4393..4512, 4441..4518, 5061..5108, 5139..5174, 5892..6029, 6091..6192, 6091..6192, 6199..6378		

Seq. No.	5696	Seq. ID	OJ990802_07.9C29.C14
Gene No.	11995	Strand	-
Start	7655	End	9051
Name	OJ990802_07.9C29.C14.o1.ts	Method	TBLASTX:Soybean
Start	4273	End	4517
GI	none	Score	204
Exons	4273..4515, 4350..4517		

Seq. No.	5696	Seq. ID	OJ990802_07.9C29.C14
Gene No.	11995	Strand	-
Start	7655	End	9051
Name	OJ990802_07.9C29.C14.o1.tc	Method	TBLASTX:Cress
Start	4306	End	6303
GI	none	Score	192
Exons	4306..4512, 5049..5129, 5139..5174, 6103..6303		

Seq. No.	5696	Seq. ID	OJ990802_07.9C29.C14
Gene No.	11995	Strand	-
Start	7655	End	9051
Name	OJ990802_07.9C29.C14.o3.gs	Method	GENSCAN
Start	7655	End	9051
GI	none	Score	.75
Exons	7655..7681, 8036..8248, 8303..8416, 8884..9051		

Seq. No.	5697	Seq. ID	OJ990802_07.9C29.C15
Gene No.	11996	Strand	+
Start	1380	End	1910
Name	OJ990802_07.9C29.C15.o2.gs	Method	GENSCAN
Start	1380	End	1910
GI	none	Score	.77
Exons	1380..1910		

Seq. No.	5697	Seq. ID	OJ990802_07.9C29.C15
Gene No.	11997	Strand	-
Start	1	End	382
Name	OJ990802_07.9C29.C15.o1.np	Method	AAT/NAP
Start	1	End	382
GI	6006359	Score	43
Exons	1..34, 260..382		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	5697	Seq. ID	OJ990802_07.9C29.C15
Gene No.	11998	Strand	-
Start	3700	End	4536
Name	OJ990802_07.9C29.C15.o3.gs	Method	GENSCAN
Start	3700	End	4536
GI	none	Score	.69
Exons	3700..4338, 4375..4536		

Seq. No.	5697	Seq. ID	OJ990802_07.9C29.C15
Gene No.	11999	Strand	-
Start	5243	End	7806
Name	OJ990802_07.9C29.C15.o1.tm	Method	TBLASTX:Maize
Start	3784	End	3913
GI	none	Score	163
Exons	3784..3912, 3788..3913		

Seq. No.	5697	Seq. ID	OJ990802_07.9C29.C15
Gene No.	11999	Strand	-
Start	5243	End	7806
Name	OJ990802_07.9C29.C15.o1.ts	Method	TBLASTX:Soybean
Start	3787	End	4536
GI	none	Score	145
Exons	3787..3966, 3788..3940, 3961..4104, 4004..4105, 4184..4264, 4237..4296, 4373..4441, 4375..4536		

Seq. No.	5697	Seq. ID	OJ990802_07.9C29.C15
Gene No.	11999	Strand	-
Start	5243	End	7806
Name	OJ990802_07.9C29.C15.o4.gs	Method	GENSCAN
Start	5243	End	7806
GI	none	Score	.4
Exons	5243..5514, 6624..6822, 7302..7438, 7615..7806		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12000	Strand	+
Start	102	End	8713
Name	OJ990802_07.9C29.C16.o1.gs	Method	GENSCAN
Start	102	End	8713
GI	none	Score	.44
Exons	102..286, 2035..2121, 2231..2312, 3208..3409, 3692..4193, 4243..4457, 4493..4918, 4958..5008, 5033..5125, 5204..5627, 5677..5804, 6119..6253, 6381..7450, 7471..7579, 7584..7772, 7872..8002, 8011..8285, 8319..8713		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12000	Strand	+
Start	102	End	8713
Name	OJ990802_07.9C29.C16.o1.np	Method	AAT/NAP
Start	3302	End	8710
GI	6498441	Score	4918
Exons	3302..4363, 4690..5140, 5204..5577, 5762..5898, 6073..6746, 6933..8335, 8429..8710		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12001	Strand	-
Start	9390	End	13260
Name	OJ990802_07.9C29.C16.o2.gs	Method	GENSCAN
Start	9390	End	13260
GI	none	Score	.48
Exons	9390..9923, 9985..10266, 10513..11031, 11153..11397, 11421..11517, 11660..11827, 11863..11955, 12121..12968, 13164..13260		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12001	Strand	-
Start	9390	End	13260
Name	OJ990802_07.9C29.C16.o2.np	Method	AAT/NAP
Start	9420	End	12900
GI	5803259	Score	1796
Exons	9420..10093, 10198..10375, 10510..11544, 11620..12900		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o7.tw	Method	TBLASTX:Wheat
Start	3489	End	3835
GI	none	Score	93

Exons	3489..3578, 3493..3579, 3574..3804, 3575..3835		
Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o2.tw	Method	TBLASTX:Wheat
Start	4573	End	5212
GI	none	Score	376
Exons	4573..4710, 4574..5104, 4768..5085, 5081..5212		
Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o1.tw	Method	TBLASTX:Wheat
Start	5212	End	5653
GI	none	Score	541
Exons	5212..5652, 5213..5653		
Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o1.tm	Method	TBLASTX:Maize
Start	5342	End	5699
GI	none	Score	323
Exons	5342..5662, 5377..5652, 5661..5699		
Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o3.tm	Method	TBLASTX:Maize
Start	5726	End	6083
GI	none	Score	301
Exons	5726..5977, 5727..6083		
Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o2.ts	Method	TBLASTX:Soybean
Start	5760	End	5996
GI	none	Score	184
Exons	5760..5996, 5879..5974		
Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o3.tw	Method	TBLASTX:Wheat
Start	5784	End	6185
GI	none	Score	317
Exons	5784..6086, 5789..6184, 6129..6185		
Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o4.tw	Method	TBLASTX:Wheat
Start	6618	End	7067
GI	none	Score	232
Exons	6618..6842, 6639..6842, 6686..6859, 6915..7067, 6926..7063		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o1.ts	Method	TBLASTX:Soybean
Start	6741	End	7304
GI	5666795	Score	57
Exons	6741..6839, 6930..7067, 7122..7304		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o2.tm	Method	TBLASTX:Maize
Start	7590	End	7904
GI	none	Score	316
Exons	7590..7904, 7673..7894		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o6.tw	Method	TBLASTX:Wheat
Start	7718	End	8085
GI	none	Score	278
Exons	7718..7963, 7719..8006, 8017..8085, 8018..8077		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o5.tw	Method	TBLASTX:Wheat
Start	8092	End	11478
GI	none	Score	57
Exons	8092..8142, 8093..8389, 8272..8349, 8471..8545, 8576..8701, 11425..11478		

Seq. No.	5698	Seq. ID	OJ990802_07.9C29.C16
Gene No.	12002	Strand	-
Start	13849	End	14390
Name	OJ990802_07.9C29.C16.o3.np	Method	AAT/NAP
Start	13849	End	14390
GI	6539585	Score	206
Exons	13849..13924, 14221..14390		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	5699	Seq. ID	OJ990802_07.9C29.C17
Gene No.	12003	Strand	+
Start	416	End	880
Name	OJ990802_07.9C29.C17.o1.gs	Method	GENSCAN
Start	416	End	880
GI	none	Score	.51
Exons	416..880		

Seq. No.	5700	Seq. ID	OJ990802_07.9C29.C19
Gene No.	12004	Strand	-
Start	81	End	364
Name	OJ990802_07.9C29.C19.o1.gs	Method	GENSCAN
Start	81	End	364

GI	none	Score	.4
Exons	81..364		

Seq. No.	5701	Seq. ID	OJ990802_07.9C29.C21
Gene No.	12005	Strand	+
Start	250	End	315
Name	OJ990802_07.9C29.C21.o1.gs	Method	GENSCAN
Start	250	End	315
GI	none	Score	.72
Exons	250..315		

Seq. No.	5701	Seq. ID	OJ990802_07.9C29.C21
Gene No.	12006	Strand	-
Start	1778	End	1935
Name	OJ990802_07.9C29.C21.o1.np	Method	AAT/NAP
Start	1340	End	1817
GI	6539570	Score	122
Exons	1340..1424, 1628..1817		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	5701	Seq. ID	OJ990802_07.9C29.C21
Gene No.	12006	Strand	-
Start	1778	End	1935
Name	OJ990802_07.9C29.C21.o2.gs	Method	GENSCAN
Start	1778	End	1935
GI	none	Score	.79
Exons	1778..1860, 1890..1935		

Seq. No.	5701	Seq. ID	OJ990802_07.9C29.C21
Gene No.	12007	Strand	-
Start	1944	End	2903
Name	OJ990802_07.9C29.C21.o2.np	Method	AAT/NAP
Start	1944	End	2903
GI	6630699	Score	65
Exons	1944..2021, 2869..2903		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi|6721536|dbj|BAA89566.1| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	5702	Seq. ID	OJ990802_02.9C23.C2
Gene No.	12008	Strand	+
Start	1	End	968
Name	OJ990802_02.9C23.C2.o1.np	Method	AAT/NAP
Start	1	End	968
GI	5882720	Score	487
Exons	1..968		
GI Descrip.	(AC008263) Similar to gb|D86180 phosphoribosylanthranilate transferase from Pisum sativum and contains 2 PF|00168 C2 (phospholipid binding) domains. ESTs gb|H76726, gb|T45544 and gb|N96377 come from this gene. [Arab...		

Seq. No.	5702	Seq. ID	OJ990802_02.9C23.C2
Gene No.	12008	Strand	+
Start	1	End	968
Name	OJ990802_02.9C23.C2.o1.ts	Method	TBLASTX:Soybean
Start	3	End	269
GI	none	Score	103

Exons	3..98, 135..269, 143..265		
Seq. No.	5702	Seq. ID	OJ990802_02.9C23.C2
Gene No.	12008	Strand	+
Start	1	End	968
Name	OJ990802_02.9C23.C2.o1.gs	Method	GENSCAN
Start	54	End	913
GI	none	Score	.47
Exons	54..913		
Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o1.np	Method	AAT/NAP
Start	1	End	3254
GI	5882720	Score	1979
Exons	1..40, 1564..3254		
GI Descrip.	(AC008263) Similar to gb|D86180 phosphoribosylanthranilate transferase from Pisum sativum and contains 2 PF|00168 C2 (phospholipid binding) domains. ESTs gb|H76726, gb|T45544 and gb|N96377 come from this gene. [Arab...		
Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o3.tm	Method	TBLASTX:Maize
Start	1440	End	1700
GI	none	Score	130
Exons	1440..1700, 1468..1695		
Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o1.gs	Method	GENSCAN
Start	1464	End	3190
GI	none	Score	.85
Exons	1464..2333, 2357..3190		
Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o2.tc	Method	TBLASTX:Cress
Start	1464	End	1775
GI	none	Score	161
Exons	1464..1775, 1471..1722		
Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o3.ts	Method	TBLASTX:Soybean
Start	1464	End	1772
GI	none	Score	152
Exons	1464..1772, 1468..1731		
Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254

Name	OJ990802_02.9C23.C3.o1.tm	Method	TBLASTX:Maize
Start	1701	End	2455
GI	none	Score	41
Exons	1701..1772, 1701..1817, 1779..2267, 1788..1910, 1849..2157, 2298..2336, 2299..2337, 2336..2455, 2337..2429		

Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o1.tc	Method	TBLASTX:Cress
Start	1779	End	2570
GI	none	Score	339
Exons	1779..2336, 1846..2334, 2336..2449, 2340..2504, 2462..2566, 2463..2570		

Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o1.ts	Method	TBLASTX:Soybean
Start	1788	End	2440
GI	none	Score	75
Exons	1788..2081, 1788..2264, 1849..2151, 2298..2336, 2336..2440		

Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o1.tw	Method	TBLASTX:Wheat
Start	2229	End	2632
GI	none	Score	67
Exons	2229..2264, 2298..2336, 2299..2337, 2336..2440, 2337..2429, 2481..2630, 2483..2632		

Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o2.tm	Method	TBLASTX:Maize
Start	2481	End	2824
GI	none	Score	189
Exons	2481..2636, 2481..2609, 2483..2638, 2642..2824, 2712..2783		

Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o2.ts	Method	TBLASTX:Soybean
Start	2519	End	3253
GI	none	Score	123
Exons	2519..2638, 2526..2639, 2642..2824, 2709..2780, 2909..3058, 3173..3253, 3174..3251		

Seq. No.	5703	Seq. ID	OJ990802_02.9C23.C3
Gene No.	12009	Strand	-
Start	1	End	3254
Name	OJ990802_02.9C23.C3.o3.tc	Method	TBLASTX:Cress
Start	2571	End	2824
GI	none	Score	87
Exons	2571..2663, 2573..2824, 2712..2783		

Seq. No.	5704	Seq. ID	OJ990802_02.9C23.C4
Gene No.	12010	Strand	-
Start	56	End	2220
Name	OJ990802_02.9C23.C4.o1.gs	Method	GENSCAN
Start	56	End	2220
GI	none	Score	.43
Exons	56..97, 159..316, 1218..1356, 2191..2220		

Seq. No.	5704	Seq. ID	OJ990802_02.9C23.C4
Gene No.	12010	Strand	-
Start	56	End	2220
Name	OJ990802_02.9C23.C4.o1.np	Method	AAT/NAP
Start	1135	End	1294
GI	5852084	Score	91
Exons	1135..1294		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	5705	Seq. ID	OJ990802_02.9C23.C5
Gene No.	12011	Strand	+
Start	179	End	269
Name	OJ990802_02.9C23.C5.o1.gs	Method	GENSCAN
Start	179	End	269
GI	none	Score	.92
Exons	179..269		

Seq. No.	5705	Seq. ID	OJ990802_02.9C23.C5
Gene No.	12012	Strand	-
Start	669	End	1507
Name	OJ990802_02.9C23.C5.o1.np	Method	AAT/NAP
Start	669	End	1507
GI	5852084	Score	71
Exons	669..789, 1469..1507		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	5706	Seq. ID	OJ990802_02.9C23.C6
Gene No.	12013	Strand	-
Start	3320	End	6095
Name	OJ990802_02.9C23.C6.o1.np	Method	AAT/NAP
Start	3320	End	6095
GI	3445397	Score	1594
Exons	3320..3461, 3533..3778, 3830..5819, 5938..6095		
GI Descrip.	(AJ010166) S-domain receptor-like protein kinase [Zea mays]		

Seq. No.	5706	Seq. ID	OJ990802_02.9C23.C6
Gene No.	12013	Strand	-
Start	3320	End	6095
Name	OJ990802_02.9C23.C6.o1.tc	Method	TBLASTX:Cress
Start	3529	End	5816
GI	none	Score	137
Exons	3529..3714, 3530..3715, 3577..3717, 3835..3981, 3836..3982, 3956..4159, 3961..4164, 4195..4491, 4211..4492, 4737..4877, 4976..5092, 5099..5200, 5246..5311, 5389..5436, 5487..5531, 5667..5816		

Seq. No.	5706	Seq. ID	OJ990802_02.9C23.C6
Gene No.	12013	Strand	-
Start	3320	End	6095

Name	OJ990802_02.9C23.C6.o1.tm	Method	TBLASTX:Maize
Start	3553	End	4488
GI	none	Score	55
Exons	3553..3717, 3560..3772, 3832..3984, 3848..3970, 3992..4147, 3997..4161, 4195..4434, 4438..4488		

Seq. No.	5706	Seq. ID	OJ990802_02.9C23.C6
Gene No.	12013	Strand	-
Start	3320	End	6095
Name	OJ990802_02.9C23.C6.o2.ts	Method	TBLASTX:Soybean
Start	3598	End	3975
GI	none	Score	132
Exons	3598..3714, 3832..3975, 3839..3964		

Seq. No.	5706	Seq. ID	OJ990802_02.9C23.C6
Gene No.	12013	Strand	-
Start	3320	End	6095
Name	OJ990802_02.9C23.C6.o1.tw	Method	TBLASTX:Wheat
Start	3895	End	4323
GI	none	Score	144
Exons	3895..4164, 3896..4156, 4192..4323		

Seq. No.	5706	Seq. ID	OJ990802_02.9C23.C6
Gene No.	12013	Strand	-
Start	3320	End	6095
Name	OJ990802_02.9C23.C6.o1.ts	Method	TBLASTX:Soybean
Start	4030	End	4495
GI	none	Score	152
Exons	4030..4164, 4040..4165, 4192..4386, 4205..4333, 4379..4495, 4393..4491		

Seq. No.	5706	Seq. ID	OJ990802_02.9C23.C6
Gene No.	12013	Strand	-
Start	3320	End	6095
Name	OJ990802_02.9C23.C6.o3.ts	Method	TBLASTX:Soybean
Start	4988	End	5260
GI	none	Score	51
Exons	4988..5092, 5010..5093, 5099..5137, 5126..5260, 5156..5236		

Seq. No.	5707	Seq. ID	OJ990802_02.9C23.C7
Gene No.	12014	Strand	+
Start	4781	End	4937
Name	OJ990802_02.9C23.C7.o1.np	Method	AAT/NAP
Start	4781	End	4937
GI	6069646	Score	88
Exons	4781..4937		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	5707	Seq. ID	OJ990802_02.9C23.C7
Gene No.	12015	Strand	+
Start	8313	End	11443
Name	OJ990802_02.9C23.C7.o2.gs	Method	GENSCAN
Start	8313	End	11443

GI	none	Score	.59
Exons	8313..8423, 9125..9212, 9367..9510, 9863..10050, 11092..11246, 11386..11443		

Seq. No.	5707	Seq. ID	OJ990802_02.9C23.C7
Gene No.	12015	Strand	+
Start	8313	End	11443
Name	OJ990802_02.9C23.C7.o3.np	Method	AAT/NAP
Start	8492	End	11416
GI	4680186	Score	138
Exons	8492..8606, 9863..10026, 10600..10733, 11398..11416		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5707	Seq. ID	OJ990802_02.9C23.C7
Gene No.	12016	Strand	-
Start	11980	End	14807
Name	OJ990802_02.9C23.C7.o1.tm	Method	TBLASTX:Maize
Start	5544	End	14650
GI	none	Score	62
Exons	5544..5675, 5598..5672, 5679..5813, 5680..5742, 14524..14649, 14525..14650		

Seq. No.	5707	Seq. ID	OJ990802_02.9C23.C7
Gene No.	12016	Strand	-
Start	11980	End	14807
Name	OJ990802_02.9C23.C7.o3.gs	Method	GENSCAN
Start	11980	End	14807
GI	none	Score	.58
Exons	11980..12390, 12529..12664, 14090..14141, 14325..14807		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12017	Strand	+
Start	924	End	4891
Name	OJ990802_02.9C23.C8.o1.np	Method	AAT/NAP
Start	924	End	4891
GI	3236253	Score	89
Exons	924..1021, 1932..2122, 4874..4891		
GI Descrip.	(AC004684) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12017	Strand	+
Start	924	End	4891
Name	OJ990802_02.9C23.C8.o1.gs	Method	GENSCAN
Start	1695	End	2420
GI	none	Score	.59
Exons	1695..2160, 2287..2420		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12018	Strand	+
Start	8227	End	9676
Name	OJ990802_02.9C23.C8.o1.gp	Method	AAT/GAP
Start	7605	End	7933
GI	427889	Score	654
Exons	7605..7933		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8

Gene No.	12018	Strand	+
Start	8227	End	9676
Name	OJ990802_02.9C23.C8.o2.np	Method	AAT/NAP
Start	8227	End	9585
GI	3928150	Score	699
Exons	8227..8415, 8602..8722, 9042..9585		
GI Descrip.	(AJ131049) hypothetical protein [Cicer arietinum]		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12018	Strand	+
Start	8227	End	9676
Name	OJ990802_02.9C23.C8.o3.gs	Method	GENSCAN
Start	8227	End	9676
GI	none	Score	.69
Exons	8227..8290, 8353..8415, 8518..8531, 8602..8722, 9042..9676		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12018	Strand	+
Start	8227	End	9676
Name	OJ990802_02.9C23.C8.o2.gp	Method	AAT/GAP
Start	9049	End	9228
GI	none	Score	280
Exons	9049..9228		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12019	Strand	+
Start	10163	End	10724
Name	OJ990802_02.9C23.C8.o3.gp	Method	AAT/GAP
Start	10163	End	10724
GI	83588_2.R1084	Score	1073
Exons	10163..10724		
GI Descrip.	'1172557/sp|P42057|PORI_MAIZE 3.0e-51 OUTER PLASTIDIAL MEMBRANE PROTEIN PORIN (VOLTAGE-DEPENDENT ANION-SELECTIVE CHANNEL PROTEIN) (VDAC) >gi_422030_pir__S34146 porin por1 - maize >gi_626044_pir__A55017 porin, plastid - maize >gi_313136_emb_CAA51828_ (X73429) porin [Zea mays]'		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12020	Strand	-
Start	3032	End	3979
Name	OJ990802_02.9C23.C8.o2.gs	Method	GENSCAN
Start	3032	End	3979
GI	none	Score	1
Exons	3032..3741, 3880..3979		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o3.tm	Method	TBLASTX:Maize
Start	1897	End	2132
GI	none	Score	65
Exons	1897..1986, 1907..2077, 1908..2078, 2070..2132, 2075..2131		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o2.tc	Method	TBLASTX:Cress

Start	8215	End	8728
GI	none	Score	250
Exons	8215..8415, 8235..8339, 8577..8612, 8599..8721, 8599..8712, 8600..8728, 8601..8726		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o2.ts	Method	TBLASTX:Soybean
Start	8227	End	8726
GI	none	Score	246
Exons	8227..8415, 8235..8339, 8599..8721, 8601..8726		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o4.tm	Method	TBLASTX:Maize
Start	8227	End	9220
GI	none	Score	247
Exons	8227..8415, 8235..8339, 8599..8721, 8599..8718, 8601..8726, 9041..9220		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o2.tw	Method	TBLASTX:Wheat
Start	8227	End	9205
GI	none	Score	240
Exons	8227..8415, 8235..8336, 8599..8721, 8600..8689, 8601..8726, 9041..9205		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o1.tm	Method	TBLASTX:Maize
Start	10359	End	10724
GI	none	Score	40
Exons	10359..10394, 10360..10404, 10360..10434, 10410..10715, 10410..10724, 10411..10716		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o1.ts	Method	TBLASTX:Soybean
Start	10388	End	11486
GI	none	Score	188
Exons	10388..10705, 10411..10695, 10416..10724, 10417..10707, 10419..10724, 10880..11068, 10885..11097, 11181..11240, 11183..11239, 11375..11485, 11382..11486		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o1.tc	Method	TBLASTX:Cress
Start	10405	End	11240
GI	none	Score	136
Exons	10405..10560, 10411..10563, 10416..10580, 10572..10724,		

10573..10725, 10900..11097, 10901..11071, 10905..11102,
11177..11239, 11181..11240

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o4.gs	Method	GENSCAN
Start	10410	End	11488
GI	none	Score	.96
Exons	10410..10716, 10886..11094, 11186..11275, 11378..11488		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o3.np	Method	AAT/NAP
Start	10413	End	11618
GI	1172557	Score	992
Exons	10413..10716, 10886..11094, 11186..11275, 11378..11618		
GI Descrip.	OUTER PLASTIDIAL MEMBRANE PROTEIN PORIN (VOLTAGE-DEPENDENT ANION-SELECTIVE CHANNEL PROTEIN) (VDAC) gi|422030|pir||S34146 porin por1 - maize gi|626044|pir||A55017 porin, plastid - maize gi|313136|emb|CAA51828| (X73429) porin [Zea mays]		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o2.tm	Method	TBLASTX:Maize
Start	10918	End	11491
GI	none	Score	173
Exons	10918..11097, 10923..11093, 10924..11097, 11181..11249, 11183..11275, 11186..11278, 11375..11485, 11379..11486, 11468..11491		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o4.gp	Method	AAT/GAP
Start	11016	End	11488
GI	68283_1.R1084	Score	398
Exons	11016..11094, 11186..11275, 11378..11488		
GI Descrip.	'2130109/pir||S59547 7.0e-43 porin VDAC3 - wheat >gi_558652_emb_CAA57646_ (X82148) Voltage dependent anion channel (VDAC) [Triticum aestivum]'		

Seq. No.	5708	Seq. ID	OJ990802_02.9C23.C8
Gene No.	12021	Strand	-
Start	10410	End	11618
Name	OJ990802_02.9C23.C8.o1.tw	Method	TBLASTX:Wheat
Start	11035	End	11491
GI	none	Score	74
Exons	11035..11097, 11038..11097, 11177..11275, 11181..11249, 11186..11278, 11360..11485, 11379..11486, 11468..11491		

Seq. No.	5709	Seq. ID	OJ990802_02.9C23.C9
Gene No.	12022	Strand	-
Start	1	End	1771
Name	OJ990802_02.9C23.C9.o1.gp	Method	AAT/GAP

Start	1	End	317
GI	68283_1.R1084	Score	307
Exons	1..58, 201..317		
GI Descrip.	'2130109/pir||S59547 7.0e-43 porin VDAC3 - wheat >gi_558652_emb_CAA57646_ (X82148) Voltage dependent anion channel (VDAC) [Triticum aestivum]'		

Seq. No.	5709	Seq. ID	OJ990802_02.9C23.C9
Gene No.	12022	Strand	-
Start	1	End	1771
Name	OJ990802_02.9C23.C9.o1.np	Method	AAT/NAP
Start	1	End	243
GI	2130109	Score	128
Exons	1..58, 201..243		
GI Descrip.	porin VDAC3 - wheat gi|558652|emb|CAA57646| (X82148) Voltage dependent anion channel (VDAC) [Triticum aestivum]		

Seq. No.	5709	Seq. ID	OJ990802_02.9C23.C9
Gene No.	12022	Strand	-
Start	1	End	1771
Name	OJ990802_02.9C23.C9.o1.gs	Method	GENSCAN
Start	201	End	1771
GI	none	Score	.64
Exons	201..533, 1178..1327, 1630..1771		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12023	Strand	+
Start	5377	End	5435
Name	OJ990802_02.9C23.C10.o2.gp	Method	AAT/GAP
Start	5377	End	5435
GI	2312838	Score	64
Exons	5377..5435		
GI Descrip.	1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12024	Strand	+
Start	14485	End	14607
Name	OJ990802_02.9C23.C10.o3.np	Method	AAT/NAP
Start	14485	End	14607
GI	1730077	Score	125
Exons	14485..14607		
GI Descrip.	NON-RECEPTOR TYROSINE KINASE SPORE LYSIS A (TYROSINE-PROTEIN KINASE 1) gi|974334 (U32174) non-receptor tyrosine kinase [Dictyostelium discoideum]		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12025	Strand	+
Start	15069	End	18379
Name	OJ990802_02.9C23.C10.o4.gs	Method	GENSCAN
Start	15069	End	17280
GI	none	Score	.88
Exons	15069..15075, 16361..17280		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12025	Strand	+
Start	15069	End	18379

Name	OJ990802_02.9C23.C10.o4.np	Method	AAT/NAP
Start	16405	End	18379
GI	5734754	Score	501
Exons	16405..17142, 18138..18379		
GI Descrip.	(AC007651) Unknown protein [Arabidopsis thaliana]		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12026	Strand	+
Start	19070	End	19383
Name	OJ990802_02.9C23.C10.o7.gp	Method	AAT/GAP
Start	19070	End	19383
GI	uC-osflcyp121g10b1	Score	568
Exons	19070..19383		
GI Descrip.	'5734754/gb|AAD50019.1|AC007651_14 1.0e-26 (AC007651) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12027	Strand	-
Start	1930	End	3157
Name	OJ990802_02.9C23.C10.o1.np	Method	AAT/NAP
Start	1930	End	3157
GI	6358809	Score	923
Exons	1930..2450, 2848..3157		
GI Descrip.	(AC010675) unknown protein [Arabidopsis thaliana]		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12027	Strand	-
Start	1930	End	3157
Name	OJ990802_02.9C23.C10.o1.gp	Method	AAT/GAP
Start	2351	End	3144
GI	uC-osrocyp031f03b1	Score	679
Exons	2351..2450, 2848..3144		
GI Descrip.	'1420932/gb|U61383|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12028	Strand	-
Start	6441	End	14043
Name	OJ990802_02.9C23.C10.o3.gp	Method	AAT/GAP
Start	6382	End	8486
GI	15782_2.R1084	Score	1666
Exons	6382..6952, 7547..7670, 7759..7895, 8434..8486		
GI Descrip.	'6094554/gb|AAF03496.1|AC010676_6 1.0e-109 (AC010676) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12028	Strand	-
Start	6441	End	14043
Name	OJ990802_02.9C23.C10.o3.gs	Method	GENSCAN
Start	6441	End	14043
GI	none	Score	.66
Exons	6441..6952, 7547..7670, 7759..7895, 8434..8569, 8665..9002, 10477..10957, 11193..11250, 12688..12776, 14008..14043		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12028	Strand	-
Start	6441	End	14043

Name	OJ990802_02.9C23.C10.o2.np	Method	AAT/NAP
Start	6447	End	10567
GI	6094554	Score	1369
Exons	6447..6952, 7547..7670, 7759..7895, 8434..8569, 8665..9015, 10514..10567		
GI Descrip.	(AC010676) putative protein kinase [Arabidopsis thaliana] gi|6714459|gb|AAF26145.1|AC008261_2 (AC008261) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12028	Strand	-
Start	6441	End	14043
Name	OJ990802_02.9C23.C10.o4.gp	Method	AAT/GAP
Start	8717	End	10639
GI	49256_1.R1084	Score	792
Exons	8717..9002, 10477..10639		
GI Descrip.	'6094554/gb|AAF03496.1|AC010676_6 9.0e-16 (AC010676) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12028	Strand	-
Start	6441	End	14043
Name	OJ990802_02.9C23.C10.o5.gp	Method	AAT/GAP
Start	10687	End	10956
GI	none	Score	414
Exons	10687..10956		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o1.tc	Method	TBLASTX:Cress
Start	1960	End	2455
GI	none	Score	112
Exons	1960..2097, 1970..2101, 2108..2455, 2116..2451		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o3.ts	Method	TBLASTX:Soybean
Start	1960	End	3145
GI	none	Score	143
Exons	1960..2097, 1970..2104, 2108..2455, 2116..2451, 2849..3145, 2850..3122		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o2.tm	Method	TBLASTX:Maize
Start	1960	End	2932
GI	none	Score	126
Exons	1960..2097, 1970..2104, 2101..2451, 2117..2455, 2849..2932		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o1.tw	Method	TBLASTX:Wheat
Start	2844	End	3130

GI	none	Score	75
Exons	2844..3002, 2849..3130, 3045..3122		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o2.tc	Method	TBLASTX:Cress
Start	2849	End	3142
GI	none	Score	86
Exons	2849..3142, 3045..3140		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o5.tm	Method	TBLASTX:Maize
Start	2963	End	3130
GI	none	Score	107
Exons	2963..3130, 2985..3122		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o1.tm	Method	TBLASTX:Maize
Start	6397	End	8781
GI	none	Score	578
Exons	6397..6954, 6457..6954, 6465..6956, 6557..6955, 7539..7670, 7539..7670, 7546..7671, 7546..7671, 7750..7887, 7750..7893, 7754..7897, 7757..7894, 7758..7895, 8435..8569, 8436..8570, 8437..8571, 8632..8781, 8654..8779, 8655..8780		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o2.ts	Method	TBLASTX:Soybean
Start	6480	End	6956
GI	none	Score	309
Exons	6480..6527, 6579..6956, 6598..6954, 6606..6854, 6637..6855		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o3.tc	Method	TBLASTX:Cress
Start	6606	End	6939
GI	none	Score	124
Exons	6606..6938, 6606..6938, 6607..6939		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o2.tw	Method	TBLASTX:Wheat
Start	6789	End	7890
GI	none	Score	78
Exons	6789..6956, 6801..6950, 6808..6954, 7539..7670, 7546..7671, 7556..7672, 7750..7815, 7757..7816, 7758..7817, 7822..7890, 7826..7882		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10

Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o5.tc	Method	TBLASTX:Cress
Start	7537	End	7894
GI	none	Score	145
Exons	7537..7671, 7537..7605, 7539..7670, 7630..7671, 7751..7789, 7762..7818, 7763..7819, 7817..7894, 7819..7890		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o1.ts	Method	TBLASTX:Soybean
Start	7539	End	8944
GI	none	Score	67
Exons	7539..7670, 7539..7670, 7546..7671, 7750..7893, 7757..7894, 7772..7894, 8433..8570, 8434..8571, 8434..8565, 8435..8569, 8664..8930, 8665..8892, 8666..8944		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o3.tw	Method	TBLASTX:Wheat
Start	8432	End	8809
GI	none	Score	117
Exons	8432..8545, 8436..8537, 8665..8718, 8666..8719, 8734..8805, 8759..8809		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o4.tc	Method	TBLASTX:Cress
Start	8438	End	8932
GI	none	Score	143
Exons	8438..8563, 8438..8569, 8632..8892, 8647..8895, 8666..8932		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o4.tm	Method	TBLASTX:Maize
Start	8782	End	10640
GI	none	Score	256
Exons	8782..9003, 8783..8959, 8784..9017, 10527..10562, 10532..10561, 10565..10618, 10566..10640		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12029	Strand	-
Start	14365	End	14602
Name	OJ990802_02.9C23.C10.o6.gp	Method	AAT/GAP
Start	14365	End	14602
GI	5867_1.R1084	Score	141
Exons	14365..14390, 14495..14602		
GI Descrip.	'464986/sp|P35132|UBC9_ARATH 5.0e-58 UBIQUITIN-CONJUGATING ENZYME E2-17 KD 9 (UBIQUITIN-PROTEIN LIGASE 9) (UBIQUITIN CARRIER PROTEIN 9) (UBCAT4B) >gi_421857_pir__S32674 ubiquitin--protein ligase (EC 6.3.2.19) UBC9 - Arabidopsis thaliana >gi_297884_emb_CAA78714_ (Z14990) ubiquitin conjugating enzyme homolog [Arabidopsis thaliana] >gi_349211 (L00639)		

ubiquitin conjugating enzyme [Arabidopsis'

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12030	Strand	
Start	16402	End	19383
Name	OJ990802_02.9C23.C10.o3.tm	Method	TBLASTX:Maize
Start	16402	End	19383
GI	none	Score	123
Exons	16402..16512, 16419..16487, 16437..16610, 16468..16611, 16615..16722, 16653..16721, 19337..19381, 19339..19383		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12030	Strand	
Start	16402	End	19383
Name	OJ990802_02.9C23.C10.o4.ts	Method	TBLASTX:Soybean
Start	16402	End	19381
GI	none	Score	113
Exons	16402..16512, 16471..16611, 16491..16610, 16615..16722, 16653..16718, 16786..16905, 16792..16920, 19343..19381		

Seq. No.	5710	Seq. ID	OJ990802_02.9C23.C10
Gene No.	12030	Strand	
Start	16402	End	19383
Name	OJ990802_02.9C23.C10.o6.tc	Method	TBLASTX:Cress
Start	16513	End	16896
GI	none	Score	99
Exons	16513..16611, 16554..16610, 16615..16722, 16653..16721, 16822..16896, 16824..16895		

Seq. No.	5711	Seq. ID	OJ990802_02.9C23.C11
Gene No.	12031	Strand	+
Start	263	End	5774
Name	OJ990802_02.9C23.C11.o1.gs	Method	GENSCAN
Start	263	End	5774
GI	none	Score	.89
Exons	263..333, 409..526, 910..1059, 1154..1288, 1389..1454, 3179..3268, 3889..3970, 4178..4375, 5119..5774		

Seq. No.	5711	Seq. ID	OJ990802_02.9C23.C11
Gene No.	12031	Strand	+
Start	263	End	5774
Name	OJ990802_02.9C23.C11.o1.np	Method	AAT/NAP
Start	913	End	4383
GI	5734754	Score	408
Exons	913..1063, 1158..1288, 1389..1463, 3015..3050, 3149..3283, 3889..3985, 4222..4383		
GI Descrip.	(AC007651) Unknown protein [Arabidopsis thaliana]		

Seq. No.	5711	Seq. ID	OJ990802_02.9C23.C11
Gene No.	12032	Strand	-
Start	6774	End	7298
Name	OJ990802_02.9C23.C11.o2.tm	Method	TBLASTX:Maize
Start	896	End	1017
GI	none	Score	184
Exons	896..1015, 907..1017, 912..1016		

Seq. No.	5711	Seq. ID	OJ990802_02.9C23.C11

Gene No.	12032	Strand	-
Start	6774	End	7298
Name	OJ990802_02.9C23.C11.o1.tc	Method	TBLASTX:Cress
Start	907	End	1460
GI	none	Score	242
Exons	907..1068, 912..1028, 983..1063, 1175..1243, 1179..1259, 1234..1287, 1235..1288, 1383..1460, 1386..1457		

Seq. No.	5711	Seq. ID	OJ990802_02.9C23.C11
Gene No.	12032	Strand	-
Start	6774	End	7298
Name	OJ990802_02.9C23.C11.o1.ts	Method	TBLASTX:Soybean
Start	907	End	1456
GI	none	Score	253
Exons	907..1068, 912..1034, 1188..1262, 1193..1288, 1219..1287, 1383..1454, 1388..1456		

Seq. No.	5711	Seq. ID	OJ990802_02.9C23.C11
Gene No.	12032	Strand	-
Start	6774	End	7298
Name	OJ990802_02.9C23.C11.o1.tm	Method	TBLASTX:Maize
Start	1018	End	1456
GI	none	Score	77
Exons	1018..1068, 1019..1060, 1151..1288, 1153..1287, 1375..1437, 1383..1454, 1386..1454, 1388..1456		

Seq. No.	5711	Seq. ID	OJ990802_02.9C23.C11
Gene No.	12032	Strand	-
Start	6774	End	7298
Name	OJ990802_02.9C23.C11.o2.gs	Method	GENSCAN
Start	6774	End	7298
GI	none	Score	.8
Exons	6774..6923, 7261..7298		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12033	Strand	+
Start	8755	End	12021
Name	OJ990802_02.9C23.C12.o2.np	Method	AAT/NAP
Start	8755	End	12021
GI	3860615	Score	243
Exons	8755..8929, 9137..9247, 9327..9447, 10357..10553, 10745..10888, 11143..11267, 11843..12021		
GI Descrip.	(AJ235270) unknown [Rickettsia prowazekii]		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12033	Strand	+
Start	8755	End	12021
Name	OJ990802_02.9C23.C12.o1.gp	Method	AAT/GAP
Start	9150	End	10709
GI	uC-osf1M202049e10b1	Score	752
Exons	9150..9247, 9327..9522, 10384..10442, 10544..10596, 10666..10709		
GI Descrip.	'5824892/emb|CAA87427.2| 4.0e-12 (Z47357) cDNA EST EMBL:T00822 comes from this gene; cDNA EST EMBL:T00823 comes from this gene [Caenorhabditis elegans]'		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12034	Strand	-

Start	4649	End	9426
Name	OJ990802_02.9C23.C12.o1.np	Method	AAT/NAP
Start	4649	End	9426
GI	3047086	Score	500
Exons	4649..4698, 5401..5603, 6148..7235, 9381..9426		
GI Descrip.	(AF058914) similar to reverse transcriptase (Pfam: transcript_fact.hmm, score: 72.31) [Arabidopsis thaliana]		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12034	Strand	-
Start	4649	End	9426
Name	OJ990802_02.9C23.C12.o1.tw	Method	TBLASTX:Wheat
Start	5434	End	5795
GI	none	Score	81
Exons	5434..5556, 5436..5558, 5550..5795, 5565..5717		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12034	Strand	-
Start	4649	End	9426
Name	OJ990802_02.9C23.C12.o2.tm	Method	TBLASTX:Maize
Start	5529	End	5997
GI	none	Score	94
Exons	5529..5558, 5550..5618, 5625..5996, 5644..5997		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12034	Strand	-
Start	4649	End	9426
Name	OJ990802_02.9C23.C12.o2.tw	Method	TBLASTX:Wheat
Start	5895	End	6448
GI	none	Score	132
Exons	5895..5993, 6084..6161, 6131..6448, 6142..6447		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12034	Strand	-
Start	4649	End	9426
Name	OJ990802_02.9C23.C12.o1.ts	Method	TBLASTX:Soybean
Start	6069	End	6597
GI	none	Score	58
Exons	6069..6161, 6142..6255, 6143..6235, 6244..6597, 6272..6421		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12034	Strand	-
Start	4649	End	9426
Name	OJ990802_02.9C23.C12.o1.tm	Method	TBLASTX:Maize
Start	6220	End	7161
GI	none	Score	109
Exons	6220..6912, 6229..6996, 6830..7003, 7002..7079, 7024..7080, 7069..7161, 7108..7146		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12034	Strand	-
Start	4649	End	9426
Name	OJ990802_02.9C23.C12.o3.tw	Method	TBLASTX:Wheat
Start	6777	End	7082
GI	none	Score	144
Exons	6777..6959, 6802..7008, 6836..7003, 7005..7082, 7018..7074		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12034	Strand	-
Start	4649	End	9426
Name	OJ990802_02.9C23.C12.o3.tm	Method	TBLASTX:Maize
Start	8317	End	8892
GI	none	Score	47
Exons	8317..8370, 8461..8562, 8476..8526, 8615..8683, 8616..8684, 8617..8685, 8785..8892, 8786..8890		

Seq. No.	5712	Seq. ID	OJ990802_02.9C23.C12
Gene No.	12035	Strand	
Start	10813	End	11634
Name	OJ990802_02.9C23.C12.o1.tc	Method	TBLASTX:Cress
Start	10813	End	11634
GI	none	Score	85
Exons	10813..10887, 10814..10888, 11157..11270, 11159..11272, 11162..11269, 11176..11271, 11341..11409, 11348..11410, 11411..11464, 11413..11451, 11458..11631, 11459..11632, 11473..11634		

Seq. No.	5713	Seq. ID	OJ990802_02.9C23.C13
Gene No.	12036	Strand	+
Start	219	End	506
Name	OJ990802_02.9C23.C13.o1.gs	Method	GENSCAN
Start	219	End	506
GI	none	Score	1
Exons	219..506		

Seq. No.	5713	Seq. ID	OJ990802_02.9C23.C13
Gene No.	12037	Strand	-
Start	586	End	4790
Name	OJ990802_02.9C23.C13.o1.gp	Method	AAT/GAP
Start	586	End	4790
GI	1281_1.R1084	Score	2417
Exons	586..1123, 1231..1374, 2126..2196, 2298..2397, 3192..3222, 3852..3949, 4457..4790		
GI Descrip.	'4803952/gb|AAD29824.1|AC006202_2 3.0e-75 (AC006202) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5713	Seq. ID	OJ990802_02.9C23.C13
Gene No.	12037	Strand	-
Start	586	End	4790
Name	OJ990802_02.9C23.C13.o1.tw	Method	TBLASTX:Wheat
Start	1030	End	1359
GI	none	Score	74
Exons	1030..1131, 1079..1132, 1083..1157, 1230..1319, 1231..1359, 1231..1359		

Seq. No.	5713	Seq. ID	OJ990802_02.9C23.C13
Gene No.	12037	Strand	-
Start	586	End	4790
Name	OJ990802_02.9C23.C13.o2.tm	Method	TBLASTX:Maize
Start	1044	End	1375
GI	none	Score	85
Exons	1044..1157, 1058..1132, 1231..1374, 1253..1375		

Seq. No.	5713	Seq. ID	OJ990802_02.9C23.C13

Gene No.	12037	Strand	-
Start	586	End	4790
Name	OJ990802_02.9C23.C13.o1.np	Method	AAT/NAP
Start	1153	End	4579
GI	6729496	Score	573
Exons	1153..1374, 2126..2196, 2298..2397, 3192..3222, 3852..3949, 4457..4579		
GI Descrip.	(AL132966) putative protein [Arabidopsis thaliana]		

Seq. No.	5713	Seq. ID	OJ990802_02.9C23.C13
Gene No.	12037	Strand	-
Start	586	End	4790
Name	OJ990802_02.9C23.C13.o1.ts	Method	TBLASTX:Soybean
Start	1234	End	4543
GI	none	Score	66
Exons	1234..1374, 2123..2209, 2124..2183, 2296..2400, 2297..2395, 3851..3949, 4454..4543		

Seq. No.	5713	Seq. ID	OJ990802_02.9C23.C13
Gene No.	12037	Strand	-
Start	586	End	4790
Name	OJ990802_02.9C23.C13.o1.tm	Method	TBLASTX:Maize
Start	2123	End	3922
GI	none	Score	90
Exons	2123..2209, 2124..2183, 2126..2194, 2294..2398, 2296..2400, 2297..2398, 3851..3913, 3851..3922		

Seq. No.	5713	Seq. ID	OJ990802_02.9C23.C13
Gene No.	12037	Strand	-
Start	586	End	4790
Name	OJ990802_02.9C23.C13.o2.tw	Method	TBLASTX:Wheat
Start	2123	End	3964
GI	none	Score	76
Exons	2123..2209, 2124..2180, 2129..2197, 2296..2376, 2297..2377, 3851..3964		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12038	Strand	+
Start	10770	End	25662
Name	OJ991113_46.0103.C1.o2.gs	Method	GENSCAN
Start	10770	End	25293
GI	none	Score	.59
Exons	10770..10864, 11187..11257, 11747..11774, 12682..12972, 13786..13967, 14153..14330, 14789..14955, 16192..16294, 18413..18618, 19244..19385, 19646..19717, 20722..20790, 20886..20957, 21556..21627, 21873..21944, 22185..22256, 22335..22406, 22553..22621, 22718..22789, 23059..23174, 23369..23734, 23987..24357, 24487..24510, 24925..25293		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12038	Strand	+
Start	10770	End	25662
Name	OJ991113_46.0103.C1.o3.np	Method	AAT/NAP
Start	19179	End	25290
GI	1345132	Score	2838
Exons	19179..19385, 19470..19541, 19646..19717, 19815..19886, 19976..20047, 20114..20185, 20404..20475, 20564..20635,		

20722..20790, 20886..20957, 21071..21142, 21241..21312,
21400..21471, 21556..21627, 21702..21773, 21873..21944,
22026..22097, 22185..22256, 22335..22406, 22553..22621,
22718..22789, 22882..22955, 23046..23174, 23387..23734,
23987..24357, 24925..25290

GI Descrip. (U47029) ERECTA [Arabidopsis thaliana] gi|1389566|dbj|BAA11869|
(D83257) receptor protein kinase [Arabidopsis thaliana]
gi|3075386|gb|AAC14518.1| (AC004484) putative receptor-like
protein kinase, ERECTA [Arabidopsis thaliana]

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12038	Strand	+
Start	10770	End	25662
Name	OJ991113_46.0103.C1.o3.gp	Method	AAT/GAP
Start	19250	End	19845
GI	27644_1.R1084	Score	532

Exons 19250..19385, 19470..19541, 19646..19717, 19815..19845

GI Descrip. '5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic
DNA, chromosome 8, clone:P0026F07'

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12038	Strand	+
Start	10770	End	25662
Name	OJ991113_46.0103.C1.o4.gp	Method	AAT/GAP
Start	25192	End	25662
GI	2317638	Score	873

Exons 25192..25662

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12039	Strand	+
Start	26697	End	27050
Name	OJ991113_46.0103.C1.o3.gs	Method	GENSCAN
Start	26697	End	27050
GI	none	Score	.98

Exons 26697..27050

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12040	Strand	+
Start	30561	End	42117
Name	OJ991113_46.0103.C1.o5.gs	Method	GENSCAN
Start	30561	End	41350
GI	none	Score	.91

Exons 30561..30635, 31437..31607, 32327..32458, 34077..34226,
34563..34708, 34799..34955, 35098..35156, 35538..35694,
36304..36453, 36583..36719, 37380..37526, 37600..37701,
38077..38134, 38243..38344, 39308..39345, 39434..39560,
40417..40548, 41148..41350

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12040	Strand	+
Start	30561	End	42117
Name	OJ991113_46.0103.C1.o4.np	Method	AAT/NAP
Start	32311	End	42117
GI	5918016	Score	2223

Exons 32311..32458, 34098..34226, 34563..34708, 34799..34955,
35098..35156, 35538..35694, 36304..36453, 36583..36719,
37380..37526, 37600..37701, 38077..38134, 38243..38344,

39308..39345, 39434..39564, 39650..39804, 40417..40548, 41241..41350, 42057..42117

GI Descrip. (AL035525) myosin-like protein [Arabidopsis thaliana]

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12040	Strand	+
Start	30561	End	42117
Name	OJ991113_46.0103.C1.o5.gp	Method	AAT/GAP
Start	37616	End	39506
GI	2310513	Score	622
Exons	37616..37701, 38077..38134, 38243..38344, 39308..39345, 39434..39506		
GI Descrip.	5918016/emb|CAB36794.2| 2.0e-53 (AL035525) myosin-like protein [Arabidopsis thaliana]		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12041	Strand	-
Start	1	End	9793
Name	OJ991113_46.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	3252
GI	4512703	Score	246
Exons	1..208, 346..505, 594..720, 858..1296, 2190..2502, 2645..2704, 2912..2995, 3094..3252		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12041	Strand	-
Start	1	End	9793
Name	OJ991113_46.0103.C1.o2.np	Method	AAT/NAP
Start	1	End	4902
GI	4512703	Score	279
Exons	1..208, 346..505, 594..720, 858..1296, 2190..2502, 2645..2704, 2912..2995, 3094..3293, 4777..4902		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12041	Strand	-
Start	1	End	9793
Name	OJ991113_46.0103.C1.o1.gp	Method	AAT/GAP
Start	1	End	484
GI	28382_1.R1084	Score	501
Exons	1..188, 308..484		
GI Descrip.	'4512703/gb|AAD21756.1| 5.0e-22 (AC006569) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12041	Strand	-
Start	1	End	9793
Name	OJ991113_46.0103.C1.o1.gs	Method	GENSCAN
Start	75	End	9793
GI	none	Score	.62
Exons	75..188, 308..505, 594..720, 887..1438, 2190..2457, 2674..2704, 2912..2995, 3080..3271, 3667..3801, 4764..5078, 5938..6059, 8276..8293, 8718..8934, 9377..9462, 9661..9793		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12041	Strand	-

Start	1	End	9793
Name	OJ991113_46.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	94	End	508
GI	none	Score	153
Exons	94..189, 96..191, 96..191, 302..508, 309..506, 326..508		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12041	Strand	-
Start	1	End	9793
Name	OJ991113_46.0103.C1.o3.tc	Method	TBLASTX:Cress
Start	138	End	508
GI	none	Score	39
Exons	138..191, 139..183, 294..500, 296..508, 401..508		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12041	Strand	-
Start	1	End	9793
Name	OJ991113_46.0103.C1.o3.ts	Method	TBLASTX:Soybean
Start	311	End	730
GI	none	Score	93
Exons	311..508, 312..506, 341..511, 593..730, 594..725		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12041	Strand	-
Start	1	End	9793
Name	OJ991113_46.0103.C1.o4.tm	Method	TBLASTX:Maize
Start	2648	End	3205
GI	none	Score	83
Exons	2648..2704, 2649..2705, 2905..2997, 2909..2998, 2909..3007, 3074..3202, 3077..3205		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12041	Strand	-
Start	1	End	9793
Name	OJ991113_46.0103.C1.o2.gp	Method	AAT/GAP
Start	4970	End	6213
GI	5456486	Score	696
Exons	4970..5078, 5933..6213		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12042	Strand	
Start	19207	End	25293
Name	OJ991113_46.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	19207	End	25293
GI	none	Score	103
Exons	19207..19305, 19330..19395, 19452..19541, 19471..19542, 19643..19699, 19647..19733, 19647..19718, 19647..19718, 19804..19872, 19815..19880, 19816..19887, 19816..19887, 19902..20057, 19971..20051, 19976..20080, 19980..20075, 19980..20039, 20114..20185, 20115..20186, 20404..20481, 20405..20473, 20565..20636, 20565..20645, 20565..20636, 20582..20635, 20722..20790, 20723..20848, 20723..20779, 20880..20954, 20881..20958, 20890..20988, 21071..21145, 21072..21143, 21072..21143, 21072..21125, 21241..21303, 21242..21313, 21245..21298, 21245..21313, 21245..21304, 21395..21472, 21400..21474, 21404..21463, 21404..21466, 21545..21628, 21545..21610, 21556..21633, 21703..21774,		

21720..21773, 21862..21945, 22027..22074, 22204..22257,
22336..22407, 22554..22634, 22555..22614, 22718..22789,
22719..22793, 22880..22954, 23048..23173, 23383..23736,
23383..23733, 23400..23735, 23941..24360, 23995..24306,
24072..24350, 24924..25073, 24925..25092, 24943..25101,
25222..25293

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12042	Strand	
Start	19207	End	25293
Name	OJ991113_46.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	19471	End	22793
GI	none	Score	47

Exons 19471..19533, 19647..19718, 19810..19887, 19816..19887,
19980..20039, 19980..20039, 20935..20958, 21071..21145,
21072..21143, 21241..21312, 21242..21313, 21245..21298,
21395..21472, 21400..21474, 21404..21496, 21545..21628,
21545..21628, 21556..21633, 21703..21774, 21720..21776,
21862..21966, 21864..21944, 22027..22077, 22204..22248,
22204..22257, 22336..22407, 22554..22640, 22719..22793

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12042	Strand	
Start	19207	End	25293
Name	OJ991113_46.0103.C1.o4.ts	Method	TBLASTX:Soybean
Start	20114	End	20791
GI	none	Score	118

Exons 20114..20185, 20115..20186, 20404..20481, 20405..20473,
20565..20636, 20582..20635, 20722..20787, 20723..20791

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12042	Strand	
Start	19207	End	25293
Name	OJ991113_46.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	20687	End	22260
GI	none	Score	123

Exons 20687..20791, 20687..20788, 20695..20793, 20695..20790,
20880..20951, 20880..20954, 20881..20958, 21071..21145,
21072..21143, 21072..21146, 21074..21145, 21241..21309,
21241..21312, 21242..21313, 21259..21291, 21385..21468,
21395..21472, 21400..21474, 21545..21625, 21556..21627,
21703..21774, 21720..21791, 21862..21942, 21873..21944,
22026..22112, 22027..22077, 22186..22260, 22204..22257

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12042	Strand	
Start	19207	End	25293
Name	OJ991113_46.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	22276	End	25136
GI	none	Score	89

Exons 22276..22404, 22332..22412, 22335..22406, 22336..22407,
22554..22622, 22554..22619, 22571..22627, 22718..22795,
22719..22793, 22876..22938, 22880..22945, 23051..23173,
23075..23173, 23382..23660, 23383..23661, 23647..23736,
23655..23735, 23669..23758, 23984..24355, 23985..24356,
23986..24360, 24072..24356, 24924..25073, 24925..25104,
24946..25128, 24984..25136

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12042	Strand	
Start	19207	End	25293
Name	OJ991113_46.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	23382	End	24338
GI	none	Score	551
Exons	23382..23735, 23383..23736, 23383..23736, 23941..24336, 23992..24306, 24072..24338		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12042	Strand	
Start	19207	End	25293
Name	OJ991113_46.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	24007	End	24360
GI	none	Score	347
Exons	24007..24360, 24072..24344		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12042	Strand	
Start	19207	End	25293
Name	OJ991113_46.0103.C1.o5.ts	Method	TBLASTX:Soybean
Start	24924	End	25104
GI	none	Score	237
Exons	24924..25073, 24925..25104		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12043	Strand	
Start	34112	End	41355
Name	OJ991113_46.0103.C1.o2.tc	Method	TBLASTX:Cress
Start	34112	End	41355
GI	none	Score	127
Exons	34112..34225, 34116..34226, 34556..34708, 34563..34709, 34564..34710, 34793..34912, 34797..34955, 34797..34949, 35097..35156, 35098..35154, 35532..35672, 35536..35688, 35543..35695, 36302..36391, 36304..36453, 36372..36449, 36580..36720, 36582..36722, 37375..37527, 37580..37699, 37603..37701, 38069..38134, 38074..38130, 38234..38344, 38239..38316, 39305..39343, 39434..39562, 39435..39563, 39628..39771, 39657..39782, 39754..39804, 40404..40547, 40411..40563, 40414..40572, 41234..41347, 41235..41354, 41239..41355		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12043	Strand	
Start	34112	End	41355
Name	OJ991113_46.0103.C1.o6.tm	Method	TBLASTX:Maize
Start	35098	End	35685
GI	none	Score	79
Exons	35098..35157, 35551..35685, 35553..35669		

Seq. No.	5714	Seq. ID	OJ991113_46.0103.C1
Gene No.	12043	Strand	
Start	34112	End	41355
Name	OJ991113_46.0103.C1.o5.tm	Method	TBLASTX:Maize
Start	39435	End	40518
GI	none	Score	149

Exons	39435..39563, 39503..39562, 39628..39771, 39630..39782, 40410..40517, 40414..40518		
Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12044	Strand	+
Start	348	End	7153
Name	OJ991113_46.0103.C2.o1.gs	Method	GENSCAN
Start	348	End	7153
GI	none	Score	.84
Exons	348..525, 590..843, 1118..1237, 1823..1921, 2212..2433, 2718..2857, 3238..3337, 3639..3809, 3975..4058, 4869..5045, 5140..5277, 5372..5442, 5846..5945, 6310..6366, 6460..6540, 7067..7153		
Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12044	Strand	+
Start	348	End	7153
Name	OJ991113_46.0103.C2.o1.np	Method	AAT/NAP
Start	348	End	6985
GI	5918016	Score	1350
Exons	348..525, 638..843, 1118..1237, 1823..1921, 2212..2433, 2718..2857, 2986..3136, 3639..3809, 3975..4041, 4873..5045, 5372..5442, 5846..5945, 6460..6540, 6623..6705, 6840..6985		
GI Descrip.	(AL035525) myosin-like protein [Arabidopsis thaliana]		
Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12044	Strand	+
Start	348	End	7153
Name	OJ991113_46.0103.C2.o1.gp	Method	AAT/GAP
Start	5004	End	5442
GI	LIB3434-060-P1-K1-H5	Score	387
Exons	5004..5045, 5140..5277, 5372..5442		
GI Descrip.	'3063460 1.0e-44 (AC003981) F22O13.22 [Arabidopsis thaliana]'		
Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12044	Strand	+
Start	348	End	7153
Name	OJ991113_46.0103.C2.o2.gp	Method	AAT/GAP
Start	5407	End	5958
GI	LIB3434-060-P1-K1-H5	Score	235
Exons	5407..5442, 5846..5958		
GI Descrip.	'3063460 1.0e-44 (AC003981) F22O13.22 [Arabidopsis thaliana]'		
Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12045	Strand	+
Start	14598	End	20034
Name	OJ991113_46.0103.C2.o3.gs	Method	GENSCAN
Start	14598	End	20034
GI	none	Score	.48
Exons	14598..14607, 18282..18368, 18552..18684, 19671..19786, 19844..20034		
Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12046	Strand	-
Start	6783	End	7265
Name	OJ991113_46.0103.C2.o3.gp	Method	AAT/GAP
Start	6783	End	7265

GI	5109_1.R1084	Score	693
Exons	6783..7265		
GI Descrip.	'5918016/emb|CAB36794.2| 3.0e-09 (AL035525) myosin-like protein [Arabidopsis thaliana]'		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12047	Strand	-
Start	7889	End	13585
Name	OJ991113_46.0103.C2.o2.gs	Method	GENSCAN
Start	7889	End	13585
GI	none	Score	.71
Exons	7889..7995, 8682..8743, 9278..9915, 11058..11194, 11290..11425, 11512..11961, 12173..12276, 13573..13585		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12047	Strand	-
Start	7889	End	13585
Name	OJ991113_46.0103.C2.o2.np	Method	AAT/NAP
Start	9204	End	11884
GI	4006829	Score	1008
Exons	9204..9915, 11058..11194, 11290..11425, 11512..11884		
GI Descrip.	(AC005970) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12047	Strand	-
Start	7889	End	13585
Name	OJ991113_46.0103.C2.o4.gp	Method	AAT/GAP
Start	9391	End	9919
GI	42449_1.R1084	Score	992
Exons	9391..9919		
GI Descrip.	'4006829/gb|AAC95171.1| 4.0e-50 (AC005970) putative protein kinase [Arabidopsis thaliana]'		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12047	Strand	-
Start	7889	End	13585
Name	OJ991113_46.0103.C2.o5.gp	Method	AAT/GAP
Start	12854	End	13100
GI	8022_1.R1084	Score	329
Exons	12854..13100		
GI Descrip.	'5091496/dbj|AB023482.2|AB023482 3.0e-37 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o3.tc	Method	TBLASTX:Cress
Start	294	End	6700
GI	none	Score	176
Exons	294..533, 341..541, 348..545, 637..843, 643..816, 682..843, 1112..1237, 2984..3058, 3635..3763, 3636..3812, 3876..4028, 6463..6546, 6620..6700		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o5.tm	Method	TBLASTX:Maize

Start	342	End	1237
GI	none	Score	154
Exons	342..482, 348..536, 637..843, 646..798, 1112..1237		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o4.ts	Method	TBLASTX:Soybean
Start	3635	End	3785
GI	none	Score	205
Exons	3635..3775, 3636..3785		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o3.tm	Method	TBLASTX:Maize
Start	3768	End	5266
GI	none	Score	60
Exons	3768..3809, 3768..3803, 3903..3965, 3905..3979, 3925..3978, 3926..3979, 3965..4006, 3966..4037, 4865..5044, 4875..5045, 4879..5046, 5121..5264, 5122..5265, 5126..5266		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o2.tc	Method	TBLASTX:Cress
Start	4899	End	6348
GI	none	Score	184
Exons	4899..5045, 4904..5029, 5122..5274, 5375..5440, 5837..5968, 5844..5945, 6162..6227, 6167..6226, 6310..6348		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o3.ts	Method	TBLASTX:Soybean
Start	4938	End	5440
GI	none	Score	146
Exons	4938..5045, 4943..5026, 5122..5277, 5375..5440		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o2.ts	Method	TBLASTX:Soybean
Start	5837	End	6705
GI	none	Score	147
Exons	5837..5944, 5844..5945, 6142..6225, 6162..6227, 6167..6226, 6309..6365, 6310..6366, 6463..6549, 6463..6549, 6620..6703, 6622..6705		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o4.tm	Method	TBLASTX:Maize
Start	6200	End	6996
GI	none	Score	46
Exons	6200..6223, 6200..6226, 6309..6365, 6310..6366, 6440..6541, 6449..6526, 6460..6546, 6462..6542, 6463..6570, 6620..6703,		

6621..6704, 6622..6717, 6622..6705, 6816..6884, 6838..6969, 6838..6996

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o1.ts	Method	TBLASTX:Soybean
Start	9439	End	11716
GI	none	Score	47
Exons	9439..9477, 9443..9478, 9496..9915, 9497..9691, 9757..9894, 9779..9916, 11056..11178, 11058..11186, 11289..11423, 11291..11422, 11512..11580, 11581..11715, 11582..11716		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o1.tm	Method	TBLASTX:Maize
Start	9490	End	9903
GI	none	Score	84
Exons	9490..9630, 9493..9903, 9779..9901		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o1.tc	Method	TBLASTX:Cress
Start	9496	End	11715
GI	none	Score	141
Exons	9496..9915, 9776..9913, 11058..11180, 11059..11175, 11289..11426, 11291..11425, 11512..11565, 11591..11701, 11602..11715		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o1.tw	Method	TBLASTX:Wheat
Start	9523	End	9918
GI	none	Score	174
Exons	9523..9918, 9779..9916		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o2.tm	Method	TBLASTX:Maize
Start	11034	End	11665
GI	none	Score	68
Exons	11034..11156, 11056..11181, 11058..11186, 11263..11331, 11282..11422, 11289..11426, 11291..11425, 11512..11631, 11512..11664, 11555..11665		

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o2.tw	Method	TBLASTX:Wheat
Start	11085	End	11652
GI	none	Score	86
Exons	11085..11159, 11085..11195, 11086..11193, 11282..11401, 11283..11402, 11402..11425, 11512..11580, 11552..11575,		

11581..11652, 11585..11650

Seq. No.	5715	Seq. ID	OJ991113_46.0103.C2
Gene No.	12048	Strand	-
Start	20497	End	22332
Name	OJ991113_46.0103.C2.o4.gs	Method	GENSCAN
Start	20497	End	22332
GI	none	Score	.7
Exons	20497..20658, 21247..21337, 21935..22022, 22178..22332		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12049	Strand	+
Start	214	End	1522
Name	OJ991113_46.0103.C3.o1.np	Method	AAT/NAP
Start	214	End	1522
GI	5777617	Score	94
Exons	214..235, 1385..1522		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12050	Strand	+
Start	4843	End	18976
Name	OJ991113_46.0103.C3.o1.gp	Method	AAT/GAP
Start	4843	End	6702
GI	uC-osrocyp016e08b1	Score	927
Exons	4843..4960, 5075..5234, 6397..6551, 6631..6702		
GI Descrip.	'2501011/sp|P73505|SYI_SYNY3 2.0e-15 ISOLEUCYL-TRNA SYNTHETASE (ISOLEUCINE--TRNA LIGASE) (ILERS) >gi_1652625_dbj_BAA17545_ (D90907) isoleucyl-tRNA synthetase [Synechocystis sp.]'		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12050	Strand	+
Start	4843	End	18976
Name	OJ991113_46.0103.C3.o2.gs	Method	GENSCAN
Start	5883	End	18976
GI	none	Score	.88
Exons	5883..5910, 6397..6551, 6631..6732, 7164..7285, 7437..7494, 7687..7755, 8087..8194, 8662..8806, 9390..9621, 9712..9998, 10096..10232, 10665..10812, 11609..11740, 12384..12512, 12852..12979, 13056..13220, 13607..13732, 14233..14306, 14499..14679, 15020..15199, 15273..15506, 16257..16699, 17235..17322, 17968..18034, 18874..18976		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12050	Strand	+
Start	4843	End	18976
Name	OJ991113_46.0103.C3.o2.np	Method	AAT/NAP
Start	6402	End	15488
GI	2501011	Score	2247
Exons	6402..6551, 6631..6732, 7164..7233, 7382..7494, 7687..7755, 8087..8194, 8662..8806, 9390..9447, 9508..9621, 9712..9998, 10096..10232, 10665..10812, 11609..11740, 12384..12512, 12852..12979, 13056..13220, 13607..13732, 14233..14306, 14430..14637, 15011..15488		
GI Descrip.	ISOLEUCYL-TRNA SYNTHETASE (ISOLEUCINE--TRNA LIGASE) (ILERS) gi|1652625|dbj|BAA17545| (D90907) isoleucyl-tRNA synthetase [Synechocystis sp.]		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12050	Strand	+
Start	4843	End	18976
Name	OJ991113_46.0103.C3.o2.gp	Method	AAT/GAP
Start	7150	End	8193
GI	uC-osflcyp019h01b1	Score	647
Exons	7150..7233, 7382..7494, 7687..7755, 8087..8193		
GI Descrip.	'2501011/sp|P73505|SYI_SYNY3 4.0e-43 ISOLEUCYL-TRNA SYNTHETASE (ISOLEUCINE--TRNA LIGASE) (ILERS) >gi_1652625_dbj_BAA17545_ (D90907) isoleucyl-tRNA synthetase [Synechocystis sp.]'		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12050	Strand	+
Start	4843	End	18976
Name	OJ991113_46.0103.C3.o3.gp	Method	AAT/GAP
Start	15022	End	15576
GI	uC-osflcyp106b12b1	Score	882
Exons	15022..15199, 15273..15576		
GI Descrip.	'1174521/sp|P41972|SYI_STAAU 9.0e-13 ISOLEUCYL-TRNA SYNTHETASE (ISOLEUCINE--TRNA LIGASE) (ILERS) >gi_541337_pir__S40178 isoleucine--tRNA ligase (EC 6.1.1.5) - Staphylococcus aureus >gi_437916_emb_CAA52296_ (X74219) isoleucyl-tRNA synthetase [Staphylococcus aureus]'		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12051	Strand	-
Start	1447	End	5254
Name	OJ991113_46.0103.C3.o1.gs	Method	GENSCAN
Start	1447	End	5254
GI	none	Score	.44
Exons	1447..1586, 1685..1826, 1831..1933, 2120..2290, 2474..2585, 2715..2929, 3047..3219, 3615..3943, 4009..4430, 4522..4673, 4747..5019, 5048..5254		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126
Name	OJ991113_46.0103.C3.o3.tm	Method	TBLASTX:Maize
Start	3614	End	3925
GI	none	Score	40
Exons	3614..3676, 3617..3676, 3618..3677, 3675..3923, 3690..3923, 3692..3925		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126
Name	OJ991113_46.0103.C3.o3.ts	Method	TBLASTX:Soybean
Start	9926	End	11721
GI	none	Score	84
Exons	9926..9997, 9928..9990, 10049..10225, 10095..10241, 10095..10244, 10096..10245, 10665..10751, 10733..10816, 10734..10817, 10851..10892, 11610..11720, 11611..11721		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126

Name	OJ991113_46.0103.C3.o4.tm	Method	TBLASTX:Maize
Start	9974	End	10784
GI	none	Score	37
Exons	9974..9997, 10095..10241, 10095..10265, 10096..10272, 10658..10753, 10659..10754, 10752..10784		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126
Name	OJ991113_46.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	12865	End	13141
GI	none	Score	155
Exons	12865..12981, 12866..12973, 13049..13141, 13062..13139		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126
Name	OJ991113_46.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	12899	End	13665
GI	none	Score	124
Exons	12899..12973, 12901..12972, 13056..13220, 13057..13227, 13058..13219, 13570..13665, 13607..13663, 13615..13665		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126
Name	OJ991113_46.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	12902	End	14307
GI	none	Score	92
Exons	12902..12973, 12904..12972, 12915..12983, 13056..13220, 13061..13222, 13061..13219, 13062..13220, 13609..13749, 13609..13725, 13610..13801, 13643..13759, 14114..14203, 14206..14304, 14223..14306, 14224..14307, 14226..14306		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126
Name	OJ991113_46.0103.C3.o2.ts	Method	TBLASTX:Soybean
Start	14440	End	14678
GI	none	Score	283
Exons	14440..14676, 14445..14678		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126
Name	OJ991113_46.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	14452	End	15502
GI	none	Score	345
Exons	14452..14682, 14452..14679, 15006..15200, 15017..15205, 15019..15213, 15019..15201, 15245..15502, 15246..15482, 15347..15502		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126
Name	OJ991113_46.0103.C3.o4.ts	Method	TBLASTX:Soybean
Start	15267	End	15511

GI	none	Score	230
Exons	15267..15476, 15270..15476, 15353..15511		

Seq. No.	5716	Seq. ID	OJ991113_46.0103.C3
Gene No.	12052	Strand	-
Start	19030	End	19126
Name	OJ991113_46.0103.C3.o4.gp	Method	AAT/GAP
Start	19030	End	19126
GI	69953_1.R1084	Score	122
Exons	19030..19126		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 7.0e-34 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	5717	Seq. ID	OJ991113_46.0103.C4
Gene No.	12053	Strand	+
Start	233	End	3130
Name	OJ991113_46.0103.C4.o1.np	Method	AAT/NAP
Start	233	End	1371
GI	4388730	Score	270
Exons	233..355, 614..676, 815..874, 1253..1371		
GI Descrip.	(AC006413) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5717	Seq. ID	OJ991113_46.0103.C4
Gene No.	12053	Strand	+
Start	233	End	3130
Name	OJ991113_46.0103.C4.o1.gs	Method	GENSCAN
Start	274	End	3130
GI	none	Score	.82
Exons	274..355, 614..676, 815..874, 1253..1345, 1458..1520, 1759..1853, 2550..2611, 2730..3130		

Seq. No.	5717	Seq. ID	OJ991113_46.0103.C4
Gene No.	12053	Strand	+
Start	233	End	3130
Name	OJ991113_46.0103.C4.o2.gp	Method	AAT/GAP
Start	803	End	1928
GI	60045_1.R1084	Score	965
Exons	803..874, 1253..1345, 1458..1520, 1596..1928		
GI Descrip.	'4388730/gb|AAD19768| 1.0e-16 (AC006413) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5717	Seq. ID	OJ991113_46.0103.C4
Gene No.	12054	Strand	+
Start	3174	End	4604
Name	OJ991113_46.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	269	End	1697
GI	none	Score	127
Exons	269..361, 279..356, 280..357, 611..655, 612..656, 613..657, 658..678, 812..907, 813..914, 1241..1345, 1251..1337, 1252..1341, 1286..1345, 1455..1523, 1455..1520, 1457..1531, 1557..1697, 1560..1694, 1594..1695		

Seq. No.	5717	Seq. ID	OJ991113_46.0103.C4
Gene No.	12054	Strand	+
Start	3174	End	4604
Name	OJ991113_46.0103.C4.o3.gp	Method	AAT/GAP
Start	3174	End	4314

GI	103206_1.R1084	Score	511
Exons	3174..3250, 3432..3478, 3956..4010, 4197..4314		
GI Descrip.	'2497486/sp|O04905|UMPK_ARATH 1.0e-31 URIDYLATE KINASE (UK) (URIDINE MONOPHOSPHATE KINASE) (UMP KINASE) >gi_2121275 (AF000147) UMP/CMP kinase [Arabidopsis thaliana]'		

Seq. No.	5717	Seq. ID	OJ991113_46.0103.C4
Gene No.	12054	Strand	+
Start	3174	End	4604
Name	OJ991113_46.0103.C4.o2.np	Method	AAT/NAP
Start	3434	End	4604
GI	6683811	Score	252
Exons	3434..3472, 3959..4010, 4197..4604		
GI Descrip.	(AF187062) UMP/CMP kinase a [Oryza sativa]		

Seq. No.	5717	Seq. ID	OJ991113_46.0103.C4
Gene No.	12054	Strand	+
Start	3174	End	4604
Name	OJ991113_46.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	3947	End	4324
GI	none	Score	81
Exons	3947..4012, 3956..4012, 4194..4313, 4195..4323, 4196..4324		

Seq. No.	5717	Seq. ID	OJ991113_46.0103.C4
Gene No.	12054	Strand	+
Start	3174	End	4604
Name	OJ991113_46.0103.C4.o1.ts	Method	TBLASTX:Soybean
Start	4194	End	4324
GI	none	Score	105
Exons	4194..4307, 4195..4311, 4195..4314, 4196..4324, 4196..4324		

Seq. No.	5717	Seq. ID	OJ991113_46.0103.C4
Gene No.	12054	Strand	+
Start	3174	End	4604
Name	OJ991113_46.0103.C4.o1.tc	Method	TBLASTX:Cress
Start	4195	End	4324
GI	none	Score	197
Exons	4195..4314, 4196..4324		

Seq. No.	5718	Seq. ID	OJ991113_46.0103.C7
Gene No.	12055	Strand	+
Start	65	End	129
Name	OJ991113_46.0103.C7.o1.gs	Method	GENSCAN
Start	65	End	129
GI	none	Score	.96
Exons	65..129		

Seq. No.	5719	Seq. ID	OJ991113_46.0103.C10
Gene No.	12056	Strand	+
Start	48	End	454
Name	OJ991113_46.0103.C10.o1.gs	Method	GENSCAN
Start	48	End	454
GI	none	Score	.93
Exons	48..235, 314..454		

Seq. No.	5720	Seq. ID	OJ991113_46.0103.C11
Gene No.	12057	Strand	+

Start	1	End	554
Name	OJ991113_46.0103.C11.o1.gp	Method	AAT/GAP
Start	1	End	554
GI	28382_1.R1084	Score	186
Exons	1..32, 480..554		
GI Descrip.	'4512703/gb|AAD21756.1| 5.0e-22 (AC006569) unknown protein [Arabidopsis thaliana]'		

Seq. No.	5720	Seq. ID	OJ991113_46.0103.C11
Gene No.	12057	Strand	+
Start	1	End	554
Name	OJ991113_46.0103.C11.o1.np	Method	AAT/NAP
Start	1	End	554
GI	4512703	Score	59
Exons	1..21, 461..554		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	5721	Seq. ID	OJ991113_46.0103.C12
Gene No.	12058	Strand	+
Start	1	End	3808
Name	OJ991113_46.0103.C12.o1.np	Method	AAT/NAP
Start	1	End	1161
GI	4512703	Score	206
Exons	1..50, 328..462, 789..896, 1060..1161		
GI Descrip.	(AC006569) unknown protein [Arabidopsis thaliana]		

Seq. No.	5721	Seq. ID	OJ991113_46.0103.C12
Gene No.	12058	Strand	+
Start	1	End	3808
Name	OJ991113_46.0103.C12.o1.gs	Method	GENSCAN
Start	328	End	3649
GI	none	Score	.94
Exons	328..462, 789..896, 1060..1125, 3431..3649		

Seq. No.	5721	Seq. ID	OJ991113_46.0103.C12
Gene No.	12058	Strand	+
Start	1	End	3808
Name	OJ991113_46.0103.C12.o1.gp	Method	AAT/GAP
Start	1070	End	3808
GI	3766626	Score	874
Exons	1070..1124, 1797..1913, 3431..3808		
GI Descrip.	5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07		

Seq. No.	5721	Seq. ID	OJ991113_46.0103.C12
Gene No.	12059	Strand	-
Start	4509	End	10144
Name	OJ991113_46.0103.C12.o1.tm	Method	TBLASTX:Maize
Start	5	End	854
GI	none	Score	64
Exons	5..52, 327..467, 328..462, 371..466, 765..854, 786..836, 788..853		

Seq. No.	5721	Seq. ID	OJ991113_46.0103.C12
Gene No.	12059	Strand	-
Start	4509	End	10144
Name	OJ991113_46.0103.C12.o2.gs	Method	GENSCAN

Start	4509	End	10144
GI	none	Score	.75
Exons	4509..5038, 5370..5615, 5852..5968, 5973..6180, 6301..6442, 9964..10144		

Seq. No.	5722	Seq. ID	OJ991113_46.0103.C13
Gene No.	12060	Strand	+
Start	1	End	4663
Name	OJ991113_46.0103.C13.o1.np	Method	AAT/NAP
Start	1	End	4663
GI	4680186	Score	321
Exons	1..35, 2012..2168, 2771..2933, 4645..4663		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	5722	Seq. ID	OJ991113_46.0103.C13
Gene No.	12061	Strand	+
Start	6510	End	9517
Name	OJ991113_46.0103.C13.o2.gs	Method	GENSCAN
Start	6510	End	9517
GI	none	Score	.44
Exons	6510..6623, 6803..6966, 7157..7253, 9167..9517		

Seq. No.	5722	Seq. ID	OJ991113_46.0103.C13
Gene No.	12061	Strand	+
Start	6510	End	9517
Name	OJ991113_46.0103.C13.o1.gp	Method	AAT/GAP
Start	9074	End	9488
GI	6573148	Score	811
Exons	9074..9488		
GI Descrip.	4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5722	Seq. ID	OJ991113_46.0103.C13
Gene No.	12061	Strand	+
Start	6510	End	9517
Name	OJ991113_46.0103.C13.o4.np	Method	AAT/NAP
Start	9266	End	9488
GI	6573149	Score	360
Exons	9266..9488		
GI Descrip.	(AF201895) growth-regulating factor 1 [Oryza sativa]		

Seq. No.	5722	Seq. ID	OJ991113_46.0103.C13
Gene No.	12062	Strand	-
Start	1754	End	4965
Name	OJ991113_46.0103.C13.o2.np	Method	AAT/NAP
Start	1754	End	4965
GI	6069659	Score	85
Exons	1754..1793, 2981..3029, 3289..3423, 4934..4965		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	5722	Seq. ID	OJ991113_46.0103.C13
Gene No.	12062	Strand	-
Start	1754	End	4965
Name	OJ991113_46.0103.C13.o3.np	Method	AAT/NAP
Start	1871	End	4122
GI	6907088	Score	305
Exons	1871..1916, 3663..3808, 3985..4122		

GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	5722	Seq. ID	OJ991113_46.0103.C13
Gene No.	12063	Strand	
Start	9319	End	9496
Name	OJ991113_46.0103.C13.o1.tm	Method	TBLASTX:Maize
Start	9319	End	9496
GI	none	Score	167
Exons	9319..9390, 9320..9445, 9434..9496, 9451..9486		
Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12064	Strand	+
Start	1	End	1334
Name	OJ991113_46.0103.C14.o1.gp	Method	AAT/GAP
Start	1	End	1334
GI	6573148	Score	2345
Exons	1..713, 829..1334		
GI Descrip.	4388731/gb|AAD19769| 1.0e-34 (AC006413) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12064	Strand	+
Start	1	End	1334
Name	OJ991113_46.0103.C14.o1.np	Method	AAT/NAP
Start	1	End	718
GI	6573149	Score	1273
Exons	1..718		
GI Descrip.	(AF201895) growth-regulating factor 1 [Oryza sativa]		
Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12065	Strand	+
Start	3670	End	8559
Name	OJ991113_46.0103.C14.o2.gs	Method	GENSCAN
Start	3670	End	8480
GI	none	Score	.75
Exons	3670..3716, 5099..5731, 6791..8480		
Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12065	Strand	+
Start	3670	End	8559
Name	OJ991113_46.0103.C14.o2.np	Method	AAT/NAP
Start	5454	End	8462
GI	4584356	Score	1968
Exons	5454..5731, 6791..6896, 6940..8462		
GI Descrip.	(AC006420) putative replication protein A1 [Arabidopsis thaliana]		
Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12065	Strand	+
Start	3670	End	8559
Name	OJ991113_46.0103.C14.o2.gp	Method	AAT/GAP
Start	5607	End	7125
GI	LIB3477-001-P1-K1-C7	Score	900
Exons	5607..5731, 6791..7125		
GI Descrip.	'5257255/dbj|AP000364.1|AP000364 1.0e-51 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12065	Strand	+
Start	3670	End	8559
Name	OJ991113_46.0103.C14.o3.gp	Method	AAT/GAP
Start	8127	End	8559
GI	1632335	Score	832
Exons	8127..8559		
GI Descrip.	4584356/gb|AAD25150.1|AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12066	Strand	-
Start	8927	End	9226
Name	OJ991113_46.0103.C14.o4.gp	Method	AAT/GAP
Start	8927	End	9226
GI	2798531	Score	576
Exons	8927..9226		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12067	Strand	-
Start	9203	End	13556
Name	OJ991113_46.0103.C14.o1.tm	Method	TBLASTX:Maize
Start	7202	End	7685
GI	none	Score	526
Exons	7202..7621, 7203..7622, 7203..7625, 7204..7626, 7614..7685, 7622..7684		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12067	Strand	-
Start	9203	End	13556
Name	OJ991113_46.0103.C14.o2.tm	Method	TBLASTX:Maize
Start	7686	End	8030
GI	none	Score	430
Exons	7686..7982, 7688..7984, 7688..7981, 7971..8030, 7979..8029		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12067	Strand	-
Start	9203	End	13556
Name	OJ991113_46.0103.C14.o3.gs	Method	GENSCAN
Start	9203	End	13157
GI	none	Score	.53
Exons	9203..9376, 9619..9882, 10070..10153, 11028..11825, 12520..12581, 12778..12946, 13056..13157		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12067	Strand	-
Start	9203	End	13556
Name	OJ991113_46.0103.C14.o3.np	Method	AAT/NAP
Start	9440	End	13556
GI	6648163	Score	455
Exons	9440..9544, 9619..10004, 10801..11146, 11204..11599, 13533..13556		
GI Descrip.	(AC010926) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12067	Strand	-
Start	9203	End	13556

Name	OJ991113_46.0103.C14.o2.ts	Method	TBLASTX:Soybean
Start	9515	End	9784
GI	none	Score	179
Exons	9515..9550, 9617..9784, 9619..9744		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12067	Strand	-
Start	9203	End	13556
Name	OJ991113_46.0103.C14.o3.tm	Method	TBLASTX:Maize
Start	10864	End	11261
GI	none	Score	179
Exons	10864..11049, 10872..11048, 10874..11062, 11043..11201, 11045..11137, 11047..11154, 11079..11186, 11202..11261		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12067	Strand	-
Start	9203	End	13556
Name	OJ991113_46.0103.C14.o1.ts	Method	TBLASTX:Soybean
Start	11097	End	11577
GI	none	Score	115
Exons	11097..11150, 11367..11567, 11398..11574, 11407..11577		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12067	Strand	-
Start	9203	End	13556
Name	OJ991113_46.0103.C14.o5.gp	Method	AAT/GAP
Start	11279	End	11717
GI	LIB3474-003-P1-K1-B12	Score	878
Exons	11279..11717		
GI Descrip.	'4584356/gb|AAD25150.1|AC006420_5 1.0e-30 (AC006420) putative replication protein A [Arabidopsis thaliana]'		

Seq. No.	5723	Seq. ID	OJ991113_46.0103.C14
Gene No.	12067	Strand	-
Start	9203	End	13556
Name	OJ991113_46.0103.C14.o4.tm	Method	TBLASTX:Maize
Start	11464	End	11726
GI	none	Score	168
Exons	11464..11640, 11466..11648, 11466..11726, 11467..11661, 11626..11709		

Seq. No.	5724	Seq. ID	OJ991113_46.0103.C18
Gene No.	12068	Strand	-
Start	1	End	520
Name	OJ991113_46.0103.C18.o1.np	Method	AAT/NAP
Start	1	End	520
GI	6539570	Score	104
Exons	1..29, 348..520		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	5724	Seq. ID	OJ991113_46.0103.C18
Gene No.	12068	Strand	-
Start	1	End	520
Name	OJ991113_46.0103.C18.o1.gs	Method	GENSCAN
Start	101	End	431
GI	none	Score	.66
Exons	101..134, 341..431		

Seq. No.	5725	Seq. ID	OJ991113_46.0103.C19
Gene No.	12069	Strand	+
Start	423	End	462
Name	OJ991113_46.0103.C19.o1.gs	Method	GENSCAN
Start	423	End	462
GI	none	Score	.52
Exons	423..462		

Seq. No.	5726	Seq. ID	OJ991113_46.0103.C20
Gene No.	12070	Strand	+
Start	1	End	313
Name	OJ991113_46.0103.C20.o1.gp	Method	AAT/GAP
Start	1	End	313
GI	2435_1.R1084	Score	626
Exons	1..313		
GI Descrip.	'303736/dbj|BAA02109| 2.0e-59 (D12541) GTP-binding protein [Pisum sativum] >gi_738934_prf__2001457B GTP-binding protein [Pisum sativum]'		

Seq. No.	5726	Seq. ID	OJ991113_46.0103.C20
Gene No.	12071	Strand	-
Start	80	End	313
Name	OJ991113_46.0103.C20.o1.np	Method	AAT/NAP
Start	80	End	313
GI	5926718	Score	139
Exons	80..313		
GI Descrip.	(AB007911) PRA2 [Pisum sativum]		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12072	Strand	+
Start	9875	End	12252
Name	OJ991113_43.0103.C1.o2.gs	Method	GENSCAN
Start	9875	End	11915
GI	none	Score	.82
Exons	9875..9920, 11021..11074, 11295..11584, 11685..11915		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12072	Strand	+
Start	9875	End	12252
Name	OJ991113_43.0103.C1.o3.np	Method	AAT/NAP
Start	11185	End	12252
GI	3402705	Score	317
Exons	11185..11584, 11685..11908, 12086..12252		
GI Descrip.	(AC004261) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o1.np	Method	AAT/NAP
Start	1	End	3673
GI	6056206	Score	1022
Exons	1..84, 158..226, 315..395, 747..849, 935..1079, 1202..1276, 1357..1424, 1502..1583, 1661..1774, 2274..2392, 2608..2709, 3552..3673		
GI Descrip.	(AC009400) putative kinesin-like centromere protein [Arabidopsis thaliana]		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o1.gs	Method	GENSCAN
Start	158	End	7673
GI	none	Score	.5
Exons	158..265, 315..395, 827..849, 1153..1276, 1661..1774, 2274..2392, 2608..2697, 2778..2929, 3418..3566, 4249..4649, 4729..6628, 7569..7673		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o4.ts	Method	TBLASTX:Soybean
Start	747	End	1024
GI	none	Score	58
Exons	747..848, 751..855, 940..1023, 941..1024		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o5.ts	Method	TBLASTX:Soybean
Start	2612	End	2904
GI	none	Score	64
Exons	2612..2698, 2612..2707, 2782..2904, 2815..2904		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o1.tc	Method	TBLASTX:Cress
Start	4201	End	6619
GI	none	Score	82
Exons	4201..4350, 4205..4351, 4351..4464, 4471..4521, 4472..4522, 4540..4650, 4565..4651, 4730..4885, 4731..4886, 4901..5116, 4905..5105, 5120..5350, 5121..5339, 5384..5602, 5385..5564, 5582..5665, 5622..5660, 5708..5968, 5715..5900, 5972..6619, 5990..6175, 6168..6296		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o1.tm	Method	TBLASTX:Maize
Start	4201	End	6622
GI	none	Score	86
Exons	4201..4362, 4202..4351, 4351..4464, 4471..4521, 4477..4500, 4543..4650, 4553..4651, 4730..4894, 4731..4895, 4898..5116, 4905..5117, 5129..5350, 5145..5336, 5369..5668, 5388..5522, 5622..5660, 5708..5968, 5715..5906, 5945..6175, 5972..6304, 6168..6281, 6329..6544, 6341..6622, 6435..6581		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o1.ts	Method	TBLASTX:Soybean
Start	4201	End	5350
GI	none	Score	73

Exons	4201..4350, 4205..4351, 4351..4440, 4471..4521, 4472..4522, 4543..4650, 4553..4651, 4730..4885, 4824..4886, 4901..5116, 4905..5117, 5120..5350, 5145..5336		
Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o3.tw	Method	TBLASTX:Wheat
Start	4202	End	4522
GI	none	Score	116
Exons	4202..4363, 4204..4353, 4471..4521, 4472..4522		
Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o2.np	Method	AAT/NAP
Start	4204	End	7658
GI	4867803	Score	1952
Exons	4204..4649, 4729..6631, 7569..7658		
GI Descrip.	(AJ133000) phospholipase D2 [Craterostigma plantagineum]		
Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o1.gp	Method	AAT/GAP
Start	4530	End	5017
GI	uC-osf1M202064c05a1	Score	715
Exons	4530..4649, 4729..5017		
GI Descrip.	'2499709/sp|Q43007|PLD1_ORYSA 4.0e-29 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'		
Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o1.tw	Method	TBLASTX:Wheat
Start	4543	End	5021
GI	none	Score	88
Exons	4543..4650, 4544..4651, 4730..4894, 4824..4892, 4901..5020, 4905..5021		
Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o2.gp	Method	AAT/GAP
Start	4558	End	5045
GI	uC-osf1M202064c05a1	Score	683
Exons	4558..4649, 4729..5045		
GI Descrip.	'2499709/sp|Q43007|PLD1_ORYSA 4.0e-29 PHOSPHOLIPASE D 1 PRECURSOR (PLD 1) (CHOLINE PHOSPHATASE 1) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D 1) >gi_1020415_dbj_BAA11136_ (D73411) phospholipase D [Oryza sativa] >gi_1902903_dbj_BAA19467_ (AB001920) phospholipase D [Oryza sativa]'		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o3.gp	Method	AAT/GAP
Start	5190	End	5654
GI	2428287	Score	849
Exons	5190..5654		
GI Descrip.	2499708/sp|Q43270|PLD_MAIZE 2.0e-32 PHOSPHOLIPASE D PRECURSOR (PLD) (CHOLINE PHOSPHATASE) (PHOSPHATIDYLCHOLINE-HYDROLYZING PHOSPHOLIPASE D) >gi_1020409_dbj_BAA11135_ (D73410) phospholipase D [Zea mays]		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o3.ts	Method	TBLASTX:Soybean
Start	5369	End	5626
GI	none	Score	121
Exons	5369..5626, 5424..5522		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o2.ts	Method	TBLASTX:Soybean
Start	5627	End	6622
GI	none	Score	52
Exons	5627..5668, 5628..5666, 5708..5965, 5715..5900, 5972..6622, 5990..6091, 6168..6305		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o2.tw	Method	TBLASTX:Wheat
Start	5897	End	6313
GI	none	Score	60
Exons	5897..5962, 5897..5965, 5933..6256, 5972..6175, 6260..6313		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12073	Strand	-
Start	1	End	7673
Name	OJ991113_43.0103.C1.o4.gp	Method	AAT/GAP
Start	6093	End	6444
GI	3090665	Score	544
Exons	6093..6444		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12074	Strand	
Start	11420	End	11752
Name	OJ991113_43.0103.C1.o2.tm	Method	TBLASTX:Maize
Start	11420	End	11752
GI	none	Score	143
Exons	11420..11527, 11420..11485, 11528..11590, 11543..11584, 11545..11592, 11682..11750, 11682..11741, 11684..11752		

Seq. No.	5727	Seq. ID	OJ991113_43.0103.C1
Gene No.	12075	Strand	

Start	11762	End	11918
Name	OJ991113_43.0103.C1.o3.tm	Method	TBLASTX:Maize
Start	11762	End	11918
GI	none	Score	108
Exons	11762..11899, 11762..11902, 11763..11903, 11802..11918		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12076	Strand	+
Start	1	End	16075
Name	OJ991113_43.0103.C2.o1.np	Method	AAT/NAP
Start	1	End	16075
GI	2129478	Score	136
Exons	1..114, 1101..1169, 2455..2631, 16020..16075		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi|488731|emb|CAA55883| (X79301) chitinase [Beta vulgaris] gi|829258|emb|CAA56946| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12076	Strand	+
Start	1	End	16075
Name	OJ991113_43.0103.C2.o1.gs	Method	GENSCAN
Start	123	End	1250
GI	none	Score	.58
Exons	123..216, 1082..1250		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12076	Strand	+
Start	1	End	16075
Name	OJ991113_43.0103.C2.o2.gs	Method	GENSCAN
Start	2162	End	3891
GI	none	Score	.66
Exons	2162..2513, 2657..2810, 3424..3610, 3700..3891		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12076	Strand	+
Start	1	End	16075
Name	OJ991113_43.0103.C2.o1.gp	Method	AAT/GAP
Start	3534	End	4068
GI	3769159	Score	780
Exons	3534..3610, 3700..4068		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12076	Strand	+
Start	1	End	16075
Name	OJ991113_43.0103.C2.o5.gs	Method	GENSCAN
Start	11280	End	11776
GI	none	Score	.93
Exons	11280..11434, 11518..11776		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12077	Strand	-
Start	4514	End	8724
Name	OJ991113_43.0103.C2.o3.gs	Method	GENSCAN
Start	4514	End	8724
GI	none	Score	.67
Exons	4514..5404, 5579..5585, 5798..6063, 6727..6828, 8674..8724		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12078	Strand	-
Start	9578	End	11117
Name	OJ991113_43.0103.C2.o4.gs	Method	GENSCAN
Start	9578	End	11117
GI	none	Score	.96
Exons	9578..10348, 10642..10829, 11072..11117		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12079	Strand	-
Start	11333	End	11388
Name	OJ991113_43.0103.C2.o2.gp	Method	AAT/GAP
Start	11333	End	11388
GI	2310829	Score	80
Exons	11333..11388		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12080	Strand	-
Start	14095	End	14526
Name	OJ991113_43.0103.C2.o6.gs	Method	GENSCAN
Start	14095	End	14526
GI	none	Score	.52
Exons	14095..14526		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12081	Strand	-
Start	14922	End	15944
Name	OJ991113_43.0103.C2.o7.gs	Method	GENSCAN
Start	14922	End	15944
GI	none	Score	.94
Exons	14922..15944		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12082	Strand	-
Start	17761	End	19254
Name	OJ991113_43.0103.C2.o8.gs	Method	GENSCAN
Start	17761	End	19127
GI	none	Score	.61
Exons	17761..17843, 18887..19127		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12082	Strand	-
Start	17761	End	19254
Name	OJ991113_43.0103.C2.o3.gp	Method	AAT/GAP
Start	17913	End	18000
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	17913..18000		
GI Descrip.	'2498586/sp|Q40638|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	5728	Seq. ID	OJ991113_43.0103.C2
Gene No.	12082	Strand	-
Start	17761	End	19254
Name	OJ991113_43.0103.C2.o2.np	Method	AAT/NAP
Start	18567	End	19254
GI	4680199	Score	214

Exons	18567..19254		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5729	Seq. ID	OJ991113_43.0103.C3
Gene No.	12083	Strand	-
Start	1447	End	2342
Name	OJ991113_43.0103.C3.o1.gs	Method	GENSCAN
Start	1447	End	2334
GI	none	Score	.94
Exons	1447..2334		

Seq. No.	5729	Seq. ID	OJ991113_43.0103.C3
Gene No.	12083	Strand	-
Start	1447	End	2342
Name	OJ991113_43.0103.C3.o1.np	Method	AAT/NAP
Start	1453	End	2342
GI	6469032	Score	431
Exons	1453..2342		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	5729	Seq. ID	OJ991113_43.0103.C3
Gene No.	12083	Strand	-
Start	1447	End	2342
Name	OJ991113_43.0103.C3.o1.tm	Method	TBLASTX:Maize
Start	1456	End	2064
GI	none	Score	55
Exons	1456..1509, 1457..1504, 1540..2064, 1553..2062		

Seq. No.	5729	Seq. ID	OJ991113_43.0103.C3
Gene No.	12083	Strand	-
Start	1447	End	2342
Name	OJ991113_43.0103.C3.o1.ts	Method	TBLASTX:Soybean
Start	1558	End	2337
GI	none	Score	96
Exons	1558..1671, 1714..2010, 2110..2175, 2209..2337, 2210..2332		

Seq. No.	5729	Seq. ID	OJ991113_43.0103.C3
Gene No.	12083	Strand	-
Start	1447	End	2342
Name	OJ991113_43.0103.C3.o1.tc	Method	TBLASTX:Cress
Start	1589	End	2010
GI	none	Score	43
Exons	1589..1627, 1591..1626, 1690..2010, 1691..1828		

Seq. No.	5729	Seq. ID	OJ991113_43.0103.C3
Gene No.	12083	Strand	-
Start	1447	End	2342
Name	OJ991113_43.0103.C3.o1.gp	Method	AAT/GAP
Start	1700	End	2068
GI	LIB3434-007-P1-K1-F11	Score	693
Exons	1700..2068		
GI Descrip.	'2239083/emb|CAB06427| 2.0e-12 (Z84383) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus] >gi_2239087_emb_CAB06429_ (Z84385) anthranilate N-hydroxycinnamoyl/benzoyltransferase [Dianthus caryophyllus]'		

Seq. No.	5729	Seq. ID	OJ991113_43.0103.C3
Gene No.	12083	Strand	-
Start	1447	End	2342
Name	OJ991113_43.0103.C3.o2.tm	Method	TBLASTX:Maize
Start	2104	End	2337
GI	none	Score	170
Exons	2104..2337, 2111..2329, 2227..2331		

Seq. No.	5729	Seq. ID	OJ991113_43.0103.C3
Gene No.	12083	Strand	-
Start	1447	End	2342
Name	OJ991113_43.0103.C3.o1.tw	Method	TBLASTX:Wheat
Start	2107	End	2332
GI	none	Score	270
Exons	2107..2328, 2108..2329, 2231..2332, 2283..2330		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12084	Strand	+
Start	3936	End	16567
Name	OJ991113_43.0103.C4.o2.gs	Method	GENSCAN
Start	3936	End	16527
GI	none	Score	.71
Exons	3936..3944, 5756..5926, 6269..6501, 7919..8052, 8254..8422, 9469..9608, 9646..9734, 10717..10821, 11654..11729, 12156..12364, 13412..13503, 13564..13699, 13933..14260, 14266..14496, 15055..15182, 15684..15934, 16122..16527		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12084	Strand	+
Start	3936	End	16567
Name	OJ991113_43.0103.C4.o2.np	Method	AAT/NAP
Start	15789	End	16567
GI	5295951	Score	175
Exons	15789..16193, 16399..16567		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12085	Strand	+
Start	17014	End	17280
Name	OJ991113_43.0103.C4.o2.gp	Method	AAT/GAP
Start	17014	End	17280
GI	1339_1.R1084	Score	394
Exons	17014..17280		
GI Descrip.	'5295936/dbj|AB026295.2|AB026295 2.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12086	Strand	-
Start	1	End	2029
Name	OJ991113_43.0103.C4.o1.np	Method	AAT/NAP
Start	1	End	1981
GI	6469032	Score	200
Exons	1..33, 1554..1789, 1823..1981		
GI Descrip.	(AB035183) N-hydroxycinnamoyl/benzoyltransferase [Ipomoea batatas]		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12086	Strand	-
Start	1	End	2029
Name	OJ991113_43.0103.C4.o1.gs	Method	GENSCAN
Start	1016	End	1966
GI	none	Score	.9
Exons	1016..1099, 1526..1966		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12086	Strand	-
Start	1	End	2029
Name	OJ991113_43.0103.C4.o1.gp	Method	AAT/GAP
Start	1695	End	2029
GI	none	Score	639
Exons	1695..2029		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12087	Strand	-
Start	22304	End	22388
Name	OJ991113_43.0103.C4.o1.tm	Method	TBLASTX:Maize
Start	1523	End	1967
GI	none	Score	188
Exons	1523..1741, 1524..1685, 1841..1966, 1851..1967		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12087	Strand	-
Start	22304	End	22388
Name	OJ991113_43.0103.C4.o3.tm	Method	TBLASTX:Maize
Start	3630	End	3888
GI	none	Score	77
Exons	3630..3731, 3726..3887, 3747..3881, 3751..3888		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12087	Strand	-
Start	22304	End	22388
Name	OJ991113_43.0103.C4.o1.tw	Method	TBLASTX:Wheat
Start	3999	End	4367
GI	none	Score	114
Exons	3999..4286, 3999..4367		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12087	Strand	-
Start	22304	End	22388
Name	OJ991113_43.0103.C4.o2.tm	Method	TBLASTX:Maize
Start	4092	End	4564
GI	none	Score	65
Exons	4092..4169, 4096..4143, 4104..4178, 4191..4481, 4195..4230, 4203..4325, 4375..4482, 4498..4563, 4508..4564		

Seq. No.	5730	Seq. ID	OJ991113_43.0103.C4
Gene No.	12087	Strand	-
Start	22304	End	22388
Name	OJ991113_43.0103.C4.o3.np	Method	AAT/NAP
Start	22304	End	22388
GI	6721547	Score	68
Exons	22304..22388		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	5731	Seq. ID	OJ991113_43.0103.C5
Gene No.	12088	Strand	-
Start	68	End	784
Name	OJ991113_43.0103.C5.o1.np	Method	AAT/NAP
Start	68	End	784
GI	5091513	Score	1167
Exons	68..784		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5731	Seq. ID	OJ991113_43.0103.C5
Gene No.	12088	Strand	-
Start	68	End	784
Name	OJ991113_43.0103.C5.o1.gs	Method	GENSCAN
Start	84	End	677
GI	none	Score	.67
Exons	84..677		

Seq. No.	5732	Seq. ID	OJ991113_43.0103.C6
Gene No.	12089	Strand	+
Start	1215	End	1358
Name	OJ991113_43.0103.C6.o1.gs	Method	GENSCAN
Start	1215	End	1358
GI	none	Score	.88
Exons	1215..1358		

Seq. No.	5732	Seq. ID	OJ991113_43.0103.C6
Gene No.	12090	Strand	+
Start	3532	End	7072
Name	OJ991113_43.0103.C6.o2.np	Method	AAT/NAP
Start	3532	End	7072
GI	5852172	Score	71
Exons	3532..3561, 6914..7072		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	5732	Seq. ID	OJ991113_43.0103.C6
Gene No.	12090	Strand	+
Start	3532	End	7072
Name	OJ991113_43.0103.C6.o3.gs	Method	GENSCAN
Start	5024	End	5915
GI	none	Score	.8
Exons	5024..5147, 5275..5481, 5905..5915		

Seq. No.	5732	Seq. ID	OJ991113_43.0103.C6
Gene No.	12091	Strand	-
Start	1	End	5292
Name	OJ991113_43.0103.C6.o1.np	Method	AAT/NAP
Start	1	End	5292
GI	5091513	Score	1566
Exons	1..22, 1904..2118, 2240..2921, 3575..4260, 5217..5292		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	5732	Seq. ID	OJ991113_43.0103.C6
Gene No.	12091	Strand	-
Start	1	End	5292
Name	OJ991113_43.0103.C6.o2.gs	Method	GENSCAN
Start	1637	End	4412

GI	none	Score	.43
Exons	1637..1965, 2101..2709, 2714..2890, 3587..4412		

Seq. No.	5732	Seq. ID	OJ991113_43.0103.C6
Gene No.	12092	Strand	-
Start	5451	End	5700
Name	OJ991113_43.0103.C6.o1.gp	Method	AAT/GAP
Start	5451	End	5700
GI	3761181	Score	412
Exons	5451..5700		
GI Descrip.	4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	5733	Seq. ID	OJ991113_43.0103.C7
Gene No.	12093	Strand	+
Start	261	End	544
Name	OJ991113_43.0103.C7.o1.gs	Method	GENSCAN
Start	261	End	544
GI	none	Score	.66
Exons	261..544		

Seq. No.	5734	Seq. ID	OJ991113_43.0103.C8
Gene No.	12094	Strand	+
Start	493	End	678
Name	OJ991113_43.0103.C8.o1.gp	Method	AAT/GAP
Start	493	End	678
GI	4878446	Score	328
Exons	493..678		

Seq. No.	5734	Seq. ID	OJ991113_43.0103.C8
Gene No.	12095	Strand	+
Start	617	End	678
Name	OJ991113_43.0103.C8.o1.gs	Method	GENSCAN
Start	617	End	678
GI	none	Score	.97
Exons	617..678		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12096	Strand	+
Start	4058	End	6141
Name	OJ991113_43.0103.C9.o2.gs	Method	GENSCAN
Start	4058	End	6141
GI	none	Score	.44
Exons	4058..4072, 4145..4397, 4751..5005, 6134..6141		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12097	Strand	+
Start	9001	End	12323
Name	OJ991113_43.0103.C9.o4.gs	Method	GENSCAN
Start	9001	End	12323
GI	none	Score	1
Exons	9001..11824, 11905..12323		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12097	Strand	+
Start	9001	End	12323
Name	OJ991113_43.0103.C9.o1.np	Method	AAT/NAP

Start	9232	End	12308
GI	4115373	Score	1662
Exons	9232..9289, 9506..11824, 11905..12308		
GI Descrip.	(AC005967) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12098	Strand	+
Start	16217	End	20462
Name	OJ991113_43.0103.C9.o2.np	Method	AAT/NAP
Start	16217	End	20444
GI	2980784	Score	2177
Exons	16217..16252, 18018..20444		
GI Descrip.	(AL022198) puative protein [Arabidopsis thaliana]		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12098	Strand	+
Start	16217	End	20462
Name	OJ991113_43.0103.C9.o6.gs	Method	GENSCAN
Start	17868	End	20462
GI	none	Score	.84
Exons	17868..20462		

Seq. No.	5735	Seq. ID	OJ991113_43:0103.C9
Gene No.	12099	Strand	+
Start	21637	End	26467
Name	OJ991113_43.0103.C9.o3.np	Method	AAT/NAP
Start	21612	End	26467
GI	6453870	Score	770
Exons	21612..21988, 22916..23175, 23279..23374, 23914..24087, 26135..26467		
GI Descrip.	(AC011717) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12099	Strand	+
Start	21637	End	26467
Name	OJ991113_43.0103.C9.o7.gs	Method	GENSCAN
Start	21637	End	26451
GI	none	Score	.75
Exons	21637..21988, 22916..23056, 23120..23175, 23279..23377, 23914..24087, 26135..26451		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12100	Strand	-
Start	208	End	1965
Name	OJ991113_43.0103.C9.o1.gs	Method	GENSCAN
Start	208	End	1965
GI	none	Score	.9
Exons	208..389, 932..1013, 1763..1878, 1956..1965		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12101	Strand	-
Start	7009	End	8639
Name	OJ991113_43.0103.C9.o3.gs	Method	GENSCAN
Start	7009	End	8639
GI	none	Score	.55
Exons	7009..7165, 7185..7465, 8541..8639		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12102	Strand	
Start	9268	End	12113
Name	OJ991113_43.0103.C9.o1.tm	Method	TBLASTX:Maize
Start	9268	End	10953
GI	none	Score	149
Exons	9268..9525, 9277..9771, 9277..9384, 9283..9777, 9292..9765, 9292..9741, 9424..9762, 9447..9689, 9525..9644, 9534..9698, 9880..9996, 10189..10434, 10189..10434, 10201..10428, 10419..10595, 10483..10623, 10483..10614, 10486..10575, 10486..10614, 10486..10596, 10684..10953, 10693..10953, 10699..10932, 10699..10953, 10699..10953, 10714..10953, 10716..10880		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12102	Strand	
Start	9268	End	12113
Name	OJ991113_43.0103.C9.o1.tc	Method	TBLASTX:Cress
Start	9277	End	11397
GI	none	Score	89
Exons	9277..9405, 9529..9696, 9877..9993, 10189..10317, 10410..10490, 10782..11177, 10792..11178, 11103..11207, 11198..11371, 11199..11318, 11214..11375, 11215..11397, 11353..11397		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12102	Strand	
Start	9268	End	12113
Name	OJ991113_43.0103.C9.o3.ts	Method	TBLASTX:Soybean
Start	9277	End	11022
GI	none	Score	289
Exons	9277..9771, 9277..9615, 9292..9765, 9292..9759, 9292..9762, 9300..9623, 9309..9401, 9363..9617, 9432..9626, 9462..9761, 9522..9764, 9877..9996, 9877..9996, 10189..10434, 10189..10530, 10201..10434, 10486..10593, 10486..10596, 10486..10623, 10486..10623, 10684..10956, 10693..11022, 10693..10950, 10699..10812, 10699..10959, 10699..10953, 10699..10953, 10699..10953, 10885..11001		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12102	Strand	
Start	9268	End	12113
Name	OJ991113_43.0103.C9.o2.tw	Method	TBLASTX:Wheat
Start	9282	End	10953
GI	none	Score	199
Exons	9282..9608, 9283..9603, 9364..9675, 9421..9747, 9526..9627, 9528..9695, 9580..9759, 9802..9837, 9877..9996, 10201..10434, 10264..10434, 10483..10593, 10693..10938, 10699..10953		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12102	Strand	
Start	9268	End	12113
Name	OJ991113_43.0103.C9.o3.tm	Method	TBLASTX:Maize
Start	11245	End	11981
GI	none	Score	206
Exons	11245..11541, 11259..11387, 11581..11736, 11904..11981		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12102	Strand	
Start	9268	End	12113
Name	OJ991113_43.0103.C9.o1.ts	Method	TBLASTX:Soybean
Start	11254	End	12113
GI	none	Score	214
Exons	11254..11493, 11259..11372, 11565..11720, 11566..11730, 11904..12113	11394..11492, 11485..11532, 11779..11823, 11903..12037,	

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12102	Strand	
Start	9268	End	12113
Name	OJ991113_43.0103.C9.o3.tc	Method	TBLASTX:Cress
Start	11401	End	11730
GI	none	Score	212
Exons	11401..11730, 11562..11720		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12102	Strand	
Start	9268	End	12113
Name	OJ991113_43.0103.C9.o1.tw	Method	TBLASTX:Wheat
Start	11416	End	11736
GI	none	Score	209
Exons	11416..11736, 11565..11681		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12103	Strand	
Start	18261	End	20447
Name	OJ991113_43.0103.C9.o2.ts	Method	TBLASTX:Soybean
Start	18261	End	20324
GI	none	Score	478
Exons	18261..18332, 18354..18857, 18882..19079, 19824..20114, 20154..20324	18365..18853, 18783..19010, 19899..20087, 19944..20159,	

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12103	Strand	
Start	18261	End	20447
Name	OJ991113_43.0103.C9.o5.tm	Method	TBLASTX:Maize
Start	18438	End	20447
GI	none	Score	51
Exons	18438..18551, 18573..19079, 19695..19934, 19929..20447, 19938..20348, 20019..20165	18576..18980, 18609..18881, 19935..20444, 19935..20243,	

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12103	Strand	
Start	18261	End	20447
Name	OJ991113_43.0103.C9.o2.tc	Method	TBLASTX:Cress
Start	18567	End	20372
GI	none	Score	112
Exons	18567..18908, 18699..19010, 19859..20269, 19860..20270,	18771..19079, 19665..19913, 20028..20372	

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12104	Strand	

Start	23043	End	23197
Name	OJ991113_43.0103.C9.o4.tm	Method	TBLASTX:Maize
Start	23043	End	23197
GI	none	Score	205
Exons	23043..23192, 23044..23178, 23049..23192, 23051..23197		

Seq. No.	5735	Seq. ID	OJ991113_43.0103.C9
Gene No.	12105	Strand	
Start	23895	End	26464
Name	OJ991113_43.0103.C9.o2.tm	Method	TBLASTX:Maize
Start	23895	End	26464
GI	none	Score	120
Exons	23895..24053, 23947..24060, 26137..26463, 26138..26464		

Seq. No.	5736	Seq. ID	OJ991113_43.0103.C10
Gene No.	12106	Strand	-
Start	46	End	1645
Name	OJ991113_43.0103.C10.o1.gs	Method	GENSCAN
Start	46	End	1645
GI	none	Score	.48
Exons	46..123, 1260..1406, 1598..1645		

Seq. No.	5736	Seq. ID	OJ991113_43.0103.C10
Gene No.	12106	Strand	-
Start	46	End	1645
Name	OJ991113_43.0103.C10.o1.gp	Method	AAT/GAP
Start	105	End	557
GI	18419_1.R1084	Score	595
Exons	105..159, 248..557		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	5737	Seq. ID	OJ991113_43.0103.C11
Gene No.	12107	Strand	+
Start	307	End	2955
Name	OJ991113_43.0103.C11.o1.gs	Method	GENSCAN
Start	307	End	2955
GI	none	Score	.69
Exons	307..338, 1871..2026, 2760..2955		

Seq. No.	5737	Seq. ID	OJ991113_43.0103.C11
Gene No.	12108	Strand	+
Start	3583	End	5703
Name	OJ991113_43.0103.C11.o1.ts	Method	TBLASTX:Soybean
Start	2982	End	5581
GI	none	Score	63
Exons	2982..3173, 4554..4643, 4644..4736, 4862..5020, 4863..5039, 5088..5174, 5094..5195, 5190..5348, 5438..5581		

Seq. No.	5737	Seq. ID	OJ991113_43.0103.C11
Gene No.	12108	Strand	+
Start	3583	End	5703
Name	OJ991113_43.0103.C11.o2.gs	Method	GENSCAN
Start	3583	End	5593
GI	none	Score	.69
Exons	3583..3628, 4303..5308, 5344..5593		

Seq. No.	5737	Seq. ID	OJ991113_43.0103.C11
Gene No.	12108	Strand	+
Start	3583	End	5703
Name	OJ991113_43.0103.C11.o1.np	Method	AAT/NAP
Start	4267	End	5587
GI	6453878	Score	1021
Exons	4267..5587		
GI Descrip.	(AC011717) putative aspartyl protease [Arabidopsis thaliana]		

Seq. No.	5737	Seq. ID	OJ991113_43.0103.C11
Gene No.	12108	Strand	+
Start	3583	End	5703
Name	OJ991113_43.0103.C11.o2.tm	Method	TBLASTX:Maize
Start	4512	End	5033
GI	none	Score	42
Exons	4512..4574, 4590..4640, 4590..4628, 4643..4699, 4644..4736, 4791..5033, 4892..5020		

Seq. No.	5737	Seq. ID	OJ991113_43.0103.C11
Gene No.	12108	Strand	+
Start	3583	End	5703
Name	OJ991113_43.0103.C11.o1.tc	Method	TBLASTX:Cress
Start	4791	End	5318
GI	none	Score	346
Exons	4791..5141, 4805..5020, 5132..5185, 5133..5186, 5271..5318		

Seq. No.	5737	Seq. ID	OJ991113_43.0103.C11
Gene No.	12108	Strand	+
Start	3583	End	5703
Name	OJ991113_43.0103.C11.o2.tc	Method	TBLASTX:Cress
Start	5205	End	5581
GI	none	Score	113
Exons	5205..5354, 5210..5269, 5336..5581, 5354..5536, 5452..5544		

Seq. No.	5737	Seq. ID	OJ991113_43.0103.C11
Gene No.	12108	Strand	+
Start	3583	End	5703
Name	OJ991113_43.0103.C11.o1.tm	Method	TBLASTX:Maize
Start	5387	End	5703
GI	none	Score	293
Exons	5387..5593, 5387..5590, 5422..5595, 5620..5661, 5630..5665, 5646..5699, 5653..5703, 5654..5701		

Seq. No.	5738	Seq. ID	OJ991113_43.0103.C14
Gene No.	12109	Strand	+
Start	46	End	399
Name	OJ991113_43.0103.C14.o1.gs	Method	GENSCAN
Start	46	End	399
GI	none	Score	.43
Exons	46..93, 373..399		

Seq. No.	5739	Seq. ID	OJ991113_43.0103.C16
Gene No.	12110	Strand	-
Start	1	End	226
Name	OJ991113_43.0103.C16.o1.np	Method	AAT/NAP
Start	1	End	226
GI	6175155	Score	126

Exons	1..226		
GI Descrip.	(AC010796) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	5739	Seq. ID	OJ991113_43.0103.C16
Gene No.	12110	Strand	-
Start	1	End	226
Name	OJ991113_43.0103.C16.o1.tc	Method	TBLASTX:Cress
Start	6	End	226
GI	none	Score	249
Exons	6..179, 19..180, 20..196, 76..195, 98..226		
Seq. No.	5739	Seq. ID	OJ991113_43.0103.C16
Gene No.	12110	Strand	-
Start	1	End	226
Name	OJ991113_43.0103.C16.o1.gs	Method	GENSCAN
Start	24	End	167
GI	none	Score	.99
Exons	24..167		
Seq. No.	5740	Seq. ID	OJ991113_43.0103.C17
Gene No.	12111	Strand	+
Start	1	End	869
Name	OJ991113_43.0103.C17.o1.np	Method	AAT/NAP
Start	1	End	869
GI	6539581	Score	552
Exons	1..148, 291..869		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		
Seq. No.	5740	Seq. ID	OJ991113_43.0103.C17
Gene No.	12111	Strand	+
Start	1	End	869
Name	OJ991113_43.0103.C17.o2.tm	Method	TBLASTX:Maize
Start	295	End	513
GI	none	Score	197
Exons	295..513, 295..510		
Seq. No.	5740	Seq. ID	OJ991113_43.0103.C17
Gene No.	12111	Strand	+
Start	1	End	869
Name	OJ991113_43.0103.C17.o1.tm	Method	TBLASTX:Maize
Start	517	End	869
GI	none	Score	69
Exons	517..630, 612..863, 627..869, 665..868		
Seq. No.	5740	Seq. ID	OJ991113_43.0103.C17
Gene No.	12111	Strand	+
Start	1	End	869
Name	OJ991113_43.0103.C17.o1.ts	Method	TBLASTX:Soybean
Start	577	End	869
GI	none	Score	53
Exons	577..630, 627..869, 665..862		
Seq. No.	5741	Seq. ID	OJ991113_43.0103.C18
Gene No.	12112	Strand	+
Start	1343	End	3020
Name	OJ991113_43.0103.C18.o1.np	Method	AAT/NAP

Start	1343	End	3020
GI	4468984	Score	635
Exons	1343..1490, 2305..3020		
GI Descrip.	(AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	5741	Seq. ID	OJ991113_43.0103.C18
Gene No.	12112	Strand	+
Start	1343	End	3020
Name	OJ991113_43.0103.C18.o1.gs	Method	GENSCAN
Start	2305	End	2886
GI	none	Score	.5
Exons	2305..2886		

Seq. No.	5741	Seq. ID	OJ991113_43.0103.C18
Gene No.	12113	Strand	+
Start	2950	End	3020
Name	OJ991113_43.0103.C18.o1.ts	Method	TBLASTX:Soybean
Start	1419	End	2802
GI	none	Score	90
Exons	1419..1502, 2304..2765, 2312..2698, 2317..2760, 2785..2802		

Seq. No.	5741	Seq. ID	OJ991113_43.0103.C18
Gene No.	12113	Strand	+
Start	2950	End	3020
Name	OJ991113_43.0103.C18.o2.tc	Method	TBLASTX:Cress
Start	2329	End	2517
GI	none	Score	186
Exons	2329..2517, 2377..2508, 2379..2516		

Seq. No.	5741	Seq. ID	OJ991113_43.0103.C18
Gene No.	12113	Strand	+
Start	2950	End	3020
Name	OJ991113_43.0103.C18.o1.tw	Method	TBLASTX:Wheat
Start	2338	End	2658
GI	none	Score	411
Exons	2338..2658, 2352..2639		

Seq. No.	5741	Seq. ID	OJ991113_43.0103.C18
Gene No.	12113	Strand	+
Start	2950	End	3020
Name	OJ991113_43.0103.C18.o1.tm	Method	TBLASTX:Maize
Start	2364	End	2790
GI	none	Score	498
Exons	2364..2759, 2365..2790		

Seq. No.	5741	Seq. ID	OJ991113_43.0103.C18
Gene No.	12113	Strand	+
Start	2950	End	3020
Name	OJ991113_43.0103.C18.o1.tc	Method	TBLASTX:Cress
Start	2518	End	2927
GI	none	Score	247
Exons	2518..2733, 2520..2726, 2785..2868, 2785..2856, 2862..2927		

Seq. No.	5741	Seq. ID	OJ991113_43.0103.C18
Gene No.	12113	Strand	+
Start	2950	End	3020
Name	OJ991113_43.0103.C18.o2.tm	Method	TBLASTX:Maize

Start	2791	End	3009
GI	none	Score	138
Exons	2791..2904, 2791..2859, 2862..2963, 2863..2964, 2864..2962, 2953..3009, 2954..3007		

Seq. No.	5741	Seq. ID	OJ991113_43.0103.C18
Gene No.	12113	Strand	+
Start	2950	End	3020
Name	OJ991113_43.0103.C18.o1.gp	Method	AAT/GAP
Start	2950	End	3020
GI	426642	Score	131
Exons	2950..3020		
GI Descrip.	3252807 1.0e-15 (AC004705) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12114	Strand	+
Start	1	End	975
Name	OJ991113_43.0103.C19.o1.np	Method	AAT/NAP
Start	1	End	975
GI	4584521	Score	351
Exons	1..184, 421..691, 758..975		
GI Descrip.	(AL049607) putative protein [Arabidopsis thaliana]		

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12115	Strand	-
Start	1746	End	2955
Name	OJ991113_43.0103.C19.o3.tm	Method	TBLASTX:Maize
Start	1	End	897
GI	none	Score	200
Exons	1..183, 2..187, 681..743, 766..897		

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12115	Strand	-
Start	1746	End	2955
Name	OJ991113_43.0103.C19.o2.tm	Method	TBLASTX:Maize
Start	420	End	606
GI	none	Score	221
Exons	420..605, 421..606		

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12115	Strand	-
Start	1746	End	2955
Name	OJ991113_43.0103.C19.o1.gp	Method	AAT/GAP
Start	1554	End	2260
GI	598_3.R1084	Score	1064
Exons	1554..1854, 1998..2260		
GI Descrip.	'4521193/dbj|AB013450.1|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12115	Strand	-
Start	1746	End	2955
Name	OJ991113_43.0103.C19.o1.tw	Method	TBLASTX:Wheat
Start	1587	End	2260
GI	none	Score	64
Exons	1587..1637, 1587..1637, 1588..1650, 1589..1639, 1642..1674,		

1643..1672, 1660..1683, 1664..1687, 1671..1703, 1738..1854, 1741..1857, 1746..1856, 1752..1856, 1753..1845, 1977..2258, 1977..2141, 1988..2260, 1988..2116, 1997..2260, 2123..2260, 2124..2258

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12115	Strand	-
Start	1746	End	2955
Name	OJ991113_43.0103.C19.o1.tm	Method	TBLASTX:Maize
Start	1594	End	2260
GI	none	Score	75
Exons	1594..1737, 1594..1647, 1596..1649, 1741..1857, 1744..1854, 1745..1885, 1746..1856, 1752..1856, 1753..1854, 1977..2258, 1977..2123, 1988..2260, 1988..2116, 1997..2260, 2123..2260, 2124..2258		

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12115	Strand	-
Start	1746	End	2955
Name	OJ991113_43.0103.C19.o1.ts	Method	TBLASTX:Soybean
Start	1728	End	2265
GI	none	Score	117
Exons	1728..1856, 1752..1856, 1753..1857, 1753..1857, 1977..2258, 1988..2260, 1988..2146, 1991..2260, 2002..2265, 2120..2260, 2121..2258		

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12115	Strand	-
Start	1746	End	2955
Name	OJ991113_43.0103.C19.o2.np	Method	AAT/NAP
Start	1740	End	2955
GI	6692129	Score	555
Exons	1740..1854, 1998..2262, 2868..2955		
GI Descrip.	(AC007654) T19E23.13 [Arabidopsis thaliana]		

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12115	Strand	-
Start	1746	End	2955
Name	OJ991113_43.0103.C19.o2.gs	Method	GENSCAN
Start	1746	End	2257
GI	none	Score	.96
Exons	1746..1854, 1998..2257		

Seq. No.	5742	Seq. ID	OJ991113_43.0103.C19
Gene No.	12115	Strand	-
Start	1746	End	2955
Name	OJ991113_43.0103.C19.o1.tc	Method	TBLASTX:Cress
Start	1752	End	2260
GI	none	Score	72
Exons	1752..1856, 1753..1857, 1761..1856, 1762..1857, 1977..2258, 1987..2259, 1988..2260, 1988..2116, 2132..2260, 2139..2258		

Seq. No.	5743	Seq. ID	OJ991113_43.0103.C21
Gene No.	12116	Strand	-
Start	274	End	279
Name	OJ991113_43.0103.C21.o1.gs	Method	GENSCAN
Start	274	End	279

GI	none	Score	.73
Exons	274..279		

Seq. No.	5744	Seq. ID	OJ991113_43.0103.C22
Gene No.	12117	Strand	+
Start	8392	End	12361
Name	OJ991113_43.0103.C22.o3.gs	Method	GENSCAN
Start	8392	End	12259
GI	none	Score	.74
Exons	8392..8516, 8558..9119, 9262..9454, 9558..9628, 10031..10150, 10825..10941, 11052..11141, 12152..12259		

Seq. No.	5744	Seq. ID	OJ991113_43.0103.C22
Gene No.	12117	Strand	+
Start	8392	End	12361
Name	OJ991113_43.0103.C22.o1.np	Method	AAT/NAP
Start	8422	End	12361
GI	5725435	Score	410
Exons	8422..9628, 10031..10150, 10825..10941, 11052..11141, 12152..12361		
GI Descrip.	(AL109787) putative protein [Arabidopsis thaliana]		

Seq. No.	5744	Seq. ID	OJ991113_43.0103.C22
Gene No.	12118	Strand	-
Start	2224	End	4641
Name	OJ991113_43.0103.C22.o1.gs	Method	GENSCAN
Start	2224	End	4641
GI	none	Score	.47
Exons	2224..2429, 3174..3333, 4234..4259, 4530..4641		

Seq. No.	5744	Seq. ID	OJ991113_43.0103.C22
Gene No.	12119	Strand	-
Start	6816	End	7932
Name	OJ991113_43.0103.C22.o2.gs	Method	GENSCAN
Start	6816	End	7932
GI	none	Score	.49
Exons	6816..6927, 6967..7288, 7812..7932		

Seq. No.	5744	Seq. ID	OJ991113_43.0103.C22
Gene No.	12120	Strand	
Start	8596	End	8969
Name	OJ991113_43.0103.C22.o2.tm	Method	TBLASTX:Maize
Start	8596	End	8969
GI	none	Score	178
Exons	8596..8859, 8596..8832, 8600..8650, 8609..8863, 8645..8863, 8703..8864, 8715..8864, 8874..8969, 8876..8968		

Seq. No.	5744	Seq. ID	OJ991113_43.0103.C22
Gene No.	12121	Strand	
Start	8969	End	11147
Name	OJ991113_43.0103.C22.o1.tm	Method	TBLASTX:Maize
Start	8969	End	11147
GI	none	Score	156
Exons	8969..9100, 8970..9101, 9097..9240, 9098..9244, 9231..9491, 9257..9574, 9258..9542, 9436..9618, 9478..9576, 9566..9628, 9575..9628, 10028..10156, 10029..10148, 10822..10941, 10824..10940, 10844..10942, 11040..11144, 11049..11147		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12122	Strand	+
Start	537	End	1176
Name	OJ991113_43.0103.C23.o1.gp	Method	AAT/GAP
Start	537	End	1176
GI	14908_3.R1084	Score	1106
Exons	537..1176		
GI Descrip.	'4886756/gb|AAD32031.1|AF088917_1 1.0e-52 (AF088917) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o1.tm	Method	TBLASTX:Maize
Start	606	End	3764
GI	none	Score	39
Exons	606..638, 726..812, 740..1066, 742..1101, 1025..1330, 1090..1344, 1379..1564, 1428..1565, 1571..1792, 1572..1787, 1700..1789, 1865..2065, 1866..2066, 2157..2363, 2191..2247, 2238..2366, 2480..2698, 2481..2609, 2543..2698, 2562..2702, 2664..2699, 2775..3047, 2776..3066, 3126..3263, 3130..3165, 3134..3568, 3135..3380, 3215..3568, 3516..3764, 3599..3745		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o1.gs	Method	GENSCAN
Start	742	End	4478
GI	none	Score	.89
Exons	742..1329, 1433..1786, 1868..2064, 2156..2333, 2486..2698, 2781..3044, 3101..3746, 3833..3959, 4051..4147, 4243..4478		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o1.ts	Method	TBLASTX:Soybean
Start	742	End	3619
GI	none	Score	293
Exons	742..1101, 746..1066, 1090..1350, 1109..1330, 1379..1567, 1428..1535, 1569..1799, 1571..1789, 1865..2074, 1869..2075, 2271..2363, 2290..2364, 2480..2698, 2481..2609, 2543..2698, 2775..3047, 2776..3045, 2904..3047, 3134..3619, 3135..3380, 3305..3445, 3516..3617		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o1.np	Method	AAT/NAP
Start	745	End	4564
GI	5230423	Score	3840
Exons	745..1329, 1433..1786, 1868..2064, 2156..2363, 2486..2698, 2781..3044, 3134..3746, 3833..3932, 4045..4141, 4249..4360, 4391..4564		
GI Descrip.	(AF091713) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o1.tc	Method	TBLASTX:Cress
Start	784	End	3931
GI	none	Score	270
Exons	784..1131, 785..1069, 1099..1344, 1109..1330, 1394..1564, 1428..1565, 1562..1789, 1572..1799, 1865..2053, 1869..2033, 2190..2231, 2223..2258, 2250..2363, 2290..2364, 2480..2698, 2481..2606, 2546..2674, 2667..2699, 2775..3047, 2776..3045, 2904..3047, 3134..3742, 3135..3380, 3215..3574, 3516..3767, 3886..3930, 3887..3931		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o2.tw	Method	TBLASTX:Wheat
Start	862	End	1273
GI	none	Score	216
Exons	862..1101, 863..1066, 1090..1272, 1109..1273		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o2.gp	Method	AAT/GAP
Start	1173	End	2349
GI	14908_2.R1084	Score	1728
Exons	1173..1329, 1433..1786, 1868..2064, 2156..2349		
GI Descrip.	'5230423/gb|AAD40885.1|AF091713_1 1.0e-146 (AF091713) cellulose synthase catalytic subunit [Arabidopsis thaliana]'		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o4.tw	Method	TBLASTX:Wheat
Start	1274	End	1565
GI	none	Score	50
Exons	1274..1330, 1379..1564, 1428..1565		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o3.tw	Method	TBLASTX:Wheat
Start	2310	End	2698
GI	none	Score	50
Exons	2310..2363, 2311..2361, 2475..2597, 2480..2578, 2588..2698, 2588..2698		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o3.gp	Method	AAT/GAP
Start	2647	End	3203
GI	2427745	Score	673
Exons	2647..2698, 2781..3044, 3134..3203		
GI Descrip.	2827139 3.0e-46 (AF027172) cellulose synthase catalytic subunit [Arabidopsis thaliana] >gi_4049343_emb_CAA22568.1_ (AL034567)		

cellulose synthase catalytic subunit (RSW1) [Arabidopsis thaliana]

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o1.tw	Method	TBLASTX:Wheat
Start	2784	End	3283
GI	none	Score	268
Exons	2784..3047, 2785..3045, 2904..3047, 3120..3263, 3134..3283, 3135..3260		

Seq. No.	5745	Seq. ID	OJ991113_43.0103.C23
Gene No.	12123	Strand	-
Start	742	End	4564
Name	OJ991113_43.0103.C23.o4.gp	Method	AAT/GAP
Start	3816	End	4431
GI	572262	Score	721
Exons	3816..3959, 4051..4147, 4243..4431		
GI Descrip.	4886756/gb|AAD32031.1|AF088917_1 2.0e-16 (AF088917) cellulose synthase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	5746	Seq. ID	OJ991113_43.0103.C25
Gene No.	12124	Strand	-
Start	360	End	484
Name	OJ991113_43.0103.C25.o1.gs	Method	GENSCAN
Start	360	End	484
GI	none	Score	.9
Exons	360..484		

Seq. No.	5747	Seq. ID	OJ991113_43.0103.C26
Gene No.	12125	Strand	+
Start	451	End	807
Name	OJ991113_43.0103.C26.o1.gs	Method	GENSCAN
Start	451	End	807
GI	none	Score	.51
Exons	451..461, 786..807		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12126	Strand	+
Start	1254	End	6524
Name	OJ991113_43.0103.C27.o1.np	Method	AAT/NAP
Start	1254	End	5885
GI	4680203	Score	3151
Exons	1254..1311, 2585..4249, 4402..4632, 4909..5885		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12126	Strand	+
Start	1254	End	6524
Name	OJ991113_43.0103.C27.o1.gp	Method	AAT/GAP
Start	2090	End	3709
GI	2310235	Score	282
Exons	2090..2127, 2578..2716, 3689..3709		
GI Descrip.	5852182/emb|CAB55420.1| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12126	Strand	+
Start	1254	End	6524
Name	OJ991113_43.0103.C27.o2.gp	Method	AAT/GAP
Start	2582	End	6524
GI	342_1.R1084	Score	6445
Exons	2582..5978, 6014..6033, 6112..6524		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12126	Strand	+
Start	1254	End	6524
Name	OJ991113_43.0103.C27.o3.gp	Method	AAT/GAP
Start	2582	End	6524
GI	342_1.R1084	Score	6448
Exons	2582..5978, 6014..6033, 6112..6524		
GI Descrip.	'4574406/gb|AAD24042.1| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12126	Strand	+
Start	1254	End	6524
Name	OJ991113_43.0103.C27.o1.gs	Method	GENSCAN
Start	2766	End	5781
GI	none	Score	.49
Exons	2766..3036, 3217..3388, 3436..4263, 4446..5781		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12126	Strand	+
Start	1254	End	6524
Name	OJ991113_43.0103.C27.o4.gp	Method	AAT/GAP
Start	5526	End	5969
GI	LIB3431-028-P1-N1-A10	Score	764
Exons	5526..5872, 5900..5969		
GI Descrip.	'4680203/gb|AAD27566.1|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o4.tw	Method	TBLASTX:Wheat
Start	2883	End	3279
GI	none	Score	90
Exons	2883..3035, 3026..3268, 3027..3269, 3029..3271, 3037..3279		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o1.ts	Method	TBLASTX:Soybean
Start	3051	End	3341
GI	none	Score	225
Exons	3051..3269, 3059..3289, 3276..3341		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562

Name	OJ991113_43.0103.C27.o2.tc	Method	TBLASTX:Cress
Start	3389	End	3709
GI	none	Score	256
Exons	3389..3709, 3397..3513, 3553..3690		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o2.tw	Method	TBLASTX:Wheat
Start	3496	End	3838
GI	none	Score	374
Exons	3496..3702, 3497..3838, 3497..3838		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o2.tm	Method	TBLASTX:Maize
Start	3542	End	4000
GI	none	Score	212
Exons	3542..3781, 3554..3796, 3806..4000		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o2.ts	Method	TBLASTX:Soybean
Start	3830	End	4072
GI	none	Score	204
Exons	3830..4072		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o3.tw	Method	TBLASTX:Wheat
Start	4105	End	4514
GI	none	Score	87
Exons	4105..4155, 4106..4168, 4154..4252, 4169..4240, 4177..4251, 4254..4355, 4255..4395, 4256..4396, 4423..4512, 4428..4514, 4429..4512		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o1.tw	Method	TBLASTX:Wheat
Start	4515	End	5831
GI	none	Score	331
Exons	4515..5240, 4515..5417, 4516..5433, 5426..5467, 5428..5472, 5431..5472, 5475..5537, 5479..5538, 5517..5621, 5545..5658, 5548..5649, 5671..5751, 5769..5831		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o1.tm	Method	TBLASTX:Maize
Start	4558	End	4872
GI	none	Score	314
Exons	4558..4872, 4569..4844, 4642..4872		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o1.tc	Method	TBLASTX:Cress
Start	4799	End	5250
GI	none	Score	155
Exons	4799..4954, 4803..5225, 4803..5246, 4807..5250, 5101..5250		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o2.gs	Method	GENSCAN
Start	6668	End	9945
GI	none	Score	.68
Exons	6668..6910, 7166..7498, 7536..7655, 7751..8847, 8955..9128, 9223..9333, 9418..9490, 9585..9683, 9763..9945		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o2.np	Method	AAT/NAP
Start	6836	End	14562
GI	4680204	Score	738
Exons	6836..7655, 7751..8847, 8955..9128, 9223..9442, 9793..9887, 14520..14562		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	5748	Seq. ID	OJ991113_43.0103.C27
Gene No.	12127	Strand	+
Start	6668	End	14562
Name	OJ991113_43.0103.C27.o5.tw	Method	TBLASTX:Wheat
Start	6898	End	7291
GI	none	Score	61
Exons	6898..7038, 6898..6978, 6900..7118, 6900..7094, 7001..7096, 7196..7291		

Seq. No.	5749	Seq. ID	OJ991113_43.0103.C28
Gene No.	12128	Strand	-
Start	1	End	8769
Name	OJ991113_43.0103.C28.o1.np	Method	AAT/NAP
Start	1	End	2833
GI	6689381	Score	1067
Exons	1..178, 255..360, 892..978, 1493..1712, 1867..2034, 2618..2833		
GI Descrip.	(AJ238622) deoxyhypusine synthase [Senecio vernalis]		

Seq. No.	5749	Seq. ID	OJ991113_43.0103.C28
Gene No.	12128	Strand	-
Start	1	End	8769
Name	OJ991113_43.0103.C28.o1.tm	Method	TBLASTX:Maize
Start	1	End	1677
GI	none	Score	241
Exons	1..180, 1..180, 3..200, 251..361, 254..361, 256..366, 256..363, 892..978, 893..976, 1493..1525, 1494..1529, 1524..1595, 1524..1676, 1525..1677		

Seq. No.	5749	Seq. ID	OJ991113_43.0103.C28
Gene No.	12128	Strand	-

Start	1	End	8769
Name	OJ991113_43.0103.C28.o1.gs	Method	GENSCAN
Start	920	End	8406
GI	none	Score	.49
Exons	920..1050, 1493..1712, 2618..2850, 3768..3945, 5398..5469, 5931..6055, 6612..6739, 7527..7621, 8269..8406		

Seq. No.	5749	Seq. ID	OJ991113_43.0103.C28
Gene No.	12128	Strand	-
Start	1	End	8769
Name	OJ991113_43.0103.C28.o1.ts	Method	TBLASTX:Soybean
Start	1630	End	2690
GI	none	Score	89
Exons	1630..1698, 1632..1688, 1860..2033, 1861..2034, 1861..2034, 2615..2674, 2616..2690		

Seq. No.	5749	Seq. ID	OJ991113_43.0103.C28
Gene No.	12128	Strand	-
Start	1	End	8769
Name	OJ991113_43.0103.C28.o2.tm	Method	TBLASTX:Maize
Start	1857	End	2815
GI	none	Score	203
Exons	1857..2033, 1860..2039, 1861..2034, 1865..2038, 2615..2815, 2619..2795, 2714..2809		

Seq. No.	5749	Seq. ID	OJ991113_43.0103.C28
Gene No.	12128	Strand	-
Start	1	End	8769
Name	OJ991113_43.0103.C28.o1.gp	Method	AAT/GAP
Start	8283	End	8769
GI	LIB3434-009-P1-K1-A3	Score	544
Exons	8283..8406, 8490..8579, 8690..8769		
GI Descrip.	'6056207/gb|AAF02824.1|AC009400_20 2.0e-18 (AC009400) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	5750	Seq. ID	OJ991113_43.0103.C29
Gene No.	12129	Strand	-
Start	116	End	618
Name	OJ991113_43.0103.C29.o1.tm	Method	TBLASTX:Maize
Start	115	End	618
GI	none	Score	125
Exons	115..315, 116..223, 118..318, 134..319, 251..322, 394..489, 395..430, 565..618		

Seq. No.	5750	Seq. ID	OJ991113_43.0103.C29
Gene No.	12129	Strand	-
Start	116	End	618
Name	OJ991113_43.0103.C29.o1.gs	Method	GENSCAN
Start	116	End	573
GI	none	Score	.99
Exons	116..319, 400..486, 565..573		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12130	Strand	+
Start	1	End	2595
Name	OJ991113_36.0128.C3.o1.np	Method	AAT/NAP
Start	1	End	1143

GI	6907089	Score	53
Exons	1..23, 997..1143		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12130	Strand	+
Start	1	End	2595
Name	OJ991113_36.0128.C3.o1.gs	Method	GENSCAN
Start	125	End	2499
GI	none	Score	.7
Exons	125..250, 982..1069, 1237..1361, 1428..1619, 1690..1748, 1923..2499		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12130	Strand	+
Start	1	End	2595
Name	OJ991113_36.0128.C3.o2.np	Method	AAT/NAP
Start	252	End	2153
GI	6721558	Score	135
Exons	252..351, 1237..1361, 1944..2153		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi|6815083|dbj|BAA90369.1| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12130	Strand	+
Start	1	End	2595
Name	OJ991113_36.0128.C3.o3.np	Method	AAT/NAP
Start	343	End	2595
GI	6721561	Score	1246
Exons	343..373, 1428..1619, 1690..1748, 1830..2595		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi|6815086|dbj|BAA90372.1| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12131	Strand	+
Start	8897	End	10802
Name	OJ991113_36.0128.C3.o6.np	Method	AAT/NAP
Start	8897	End	10802
GI	6721512	Score	68
Exons	8897..8933, 10501..10603, 10631..10802		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12132	Strand	+
Start	15415	End	16249
Name	OJ991113_36.0128.C3.o4.gs	Method	GENSCAN
Start	15415	End	16249
GI	none	Score	.68
Exons	15415..16249		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12133	Strand	-
Start	2356	End	5623

Name	OJ991113_36.0128.C3.o4.np	Method	AAT/NAP
Start	2356	End	5623
GI	5902445	Score	2754
Exons	2356..2504, 2661..3750, 3792..5623		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o6.tw	Method	TBLASTX:Wheat
Start	2681	End	3125
GI	none	Score	90
Exons	2681..2809, 2824..3111, 2867..2974, 2935..3108, 3057..3125		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o4.tw	Method	TBLASTX:Wheat
Start	3244	End	3630
GI	none	Score	184
Exons	3244..3630, 3248..3622		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o2.tm	Method	TBLASTX:Maize
Start	3283	End	3744
GI	none	Score	52
Exons	3283..3744, 3284..3397, 3425..3625		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o7.tw	Method	TBLASTX:Wheat
Start	3772	End	4093
GI	none	Score	66
Exons	3772..4092, 3953..4093		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o5.tw	Method	TBLASTX:Wheat
Start	4132	End	4540
GI	none	Score	110
Exons	4132..4299, 4313..4540, 4315..4539		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o3.tm	Method	TBLASTX:Maize
Start	4537	End	4963
GI	none	Score	124
Exons	4537..4563, 4572..4610, 4615..4689, 4708..4962, 4730..4963		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459

Name	OJ991113_36.0128.C3.o1.ts	Method	TBLASTX:Soybean
Start	4630	End	4998
GI	none	Score	36
Exons	4630..4998, 4787..4819, 4871..4996		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o2.tw	Method	TBLASTX:Wheat
Start	4685	End	5106
GI	none	Score	240
Exons	4685..5011, 4687..5001, 4718..5035, 5038..5106		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o1.tm	Method	TBLASTX:Maize
Start	5191	End	5507
GI	none	Score	84
Exons	5191..5376, 5219..5368, 5351..5506, 5352..5507		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o1.tw	Method	TBLASTX:Wheat
Start	5221	End	5678
GI	none	Score	130
Exons	5221..5376, 5222..5368, 5349..5678, 5350..5472, 5351..5677		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o5.np	Method	AAT/NAP
Start	5690	End	12661
GI	5902444	Score	814
Exons	5690..7046, 8707..9138, 12595..12661		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o3.tw	Method	TBLASTX:Wheat
Start	5870	End	6325
GI	none	Score	38
Exons	5870..6106, 5880..5945, 5885..6094, 5988..6104, 6143..6325, 6144..6317		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3
Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o3.gs	Method	GENSCAN
Start	9503	End	13872
GI	none	Score	.74
Exons	9503..9869, 10110..10461, 10467..10540, 10722..10813, 13708..13872		

Seq. No.	5751	Seq. ID	OJ991113_36.0128.C3

Gene No.	12134	Strand	-
Start	5690	End	15459
Name	OJ991113_36.0128.C3.o7.np	Method	AAT/NAP
Start	13645	End	15459
GI	6721512	Score	121
Exons	13645..13689, 15204..15339, 15368..15459		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	5752	Seq. ID	OJ991113_36.0128.C4
Gene No.	12135	Strand	+
Start	1	End	2052
Name	OJ991113_36.0128.C4.o1.np	Method	AAT/NAP
Start	1	End	2052
GI	5902444	Score	873
Exons	1..59, 350..2052		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5752	Seq. ID	OJ991113_36.0128.C4
Gene No.	12136	Strand	+
Start	2119	End	2476
Name	OJ991113_36.0128.C4.o3.tw	Method	TBLASTX:Wheat
Start	459	End	721
GI	none	Score	60
Exons	459..503, 550..705, 557..721		

Seq. No.	5752	Seq. ID	OJ991113_36.0128.C4
Gene No.	12136	Strand	+
Start	2119	End	2476
Name	OJ991113_36.0128.C4.o1.tw	Method	TBLASTX:Wheat
Start	1417	End	2151
GI	none	Score	143
Exons	1417..1599, 1425..1598, 1636..1872, 1638..1754, 1648..1857, 1797..1862, 1930..2151, 2073..2150		

Seq. No.	5752	Seq. ID	OJ991113_36.0128.C4
Gene No.	12136	Strand	+
Start	2119	End	2476
Name	OJ991113_36.0128.C4.o2.np	Method	AAT/NAP
Start	2119	End	2476
GI	5902445	Score	365
Exons	2119..2476		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	5752	Seq. ID	OJ991113_36.0128.C4
Gene No.	12136	Strand	+
Start	2119	End	2476
Name	OJ991113_36.0128.C4.o2.tw	Method	TBLASTX:Wheat
Start	2154	End	2440
GI	none	Score	294
Exons	2154..2438, 2159..2440		

Seq. No.	5752	Seq. ID	OJ991113_36.0128.C4
Gene No.	12136	Strand	+
Start	2119	End	2476
Name	OJ991113_36.0128.C4.o1.tm	Method	TBLASTX:Maize
Start	2193	End	2438
GI	none	Score	233

Exons	2193..2438, 2234..2437		
Seq. No.	5753	Seq. ID	OJ991113_36.0128.C5
Gene No.	12137	Strand	+
Start	255	End	378
Name	OJ991113_36.0128.C5.o1.gs	Method	GENSCAN
Start	255	End	378
GI	none	Score	.84
Exons	255..378		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12138	Strand	+
Start	373	End	12107
Name	OJ991113_36.0128.C6.o1.gs	Method	GENSCAN
Start	373	End	2151
GI	none	Score	.85
Exons	373..433, 1214..2151		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12138	Strand	+
Start	373	End	12107
Name	OJ991113_36.0128.C6.o1.np	Method	AAT/NAP
Start	958	End	8109
GI	5257279	Score	6764
Exons	958..1503, 1852..2085, 2715..5435, 5652..5814, 5929..6526, 7889..8109		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12138	Strand	+
Start	373	End	12107
Name	OJ991113_36.0128.C6.o4.gs	Method	GENSCAN
Start	7948	End	12107
GI	none	Score	.6
Exons	7948..8093, 10612..10992, 11072..11525, 11681..11826, 12020..12107		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12139	Strand	+
Start	13539	End	17354
Name	OJ991113_36.0128.C6.o4.np	Method	AAT/NAP
Start	13530	End	14978
GI	2921304	Score	859
Exons	13530..14351, 14685..14978		
GI Descrip.	(AF033496) herbicide safener binding protein [Zea mays]		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6
Gene No.	12139	Strand	+
Start	13539	End	17354
Name	OJ991113_36.0128.C6.o5.gs	Method	GENSCAN
Start	13539	End	17354
GI	none	Score	.58
Exons	13539..14351, 14685..14969, 15240..15547, 15553..15647, 16690..16855, 17162..17354		
Seq. No.	5754	Seq. ID	OJ991113_36.0128.C6